

Appendix: Restricted Substances List of Mitsuba

The Restricted Substances List of Mitsuba consists of Tables 1, 2, 3 and 4 as shown below:

| Table | Class | Description |
|---------|--|---|
| Table 1 | GADSL (Global Automotive Declarable Substance List) (including substances whose classifications are modified by Mitsuba) | List of prohibited and declarable substances created by Global Automotive Stakeholder Group (GASG) consisting of automotive manufacturers and their suppliers in Europe, the USA, and Japan. The GADSL is revised on a periodic basis. This standard shall always refer to the latest version. Both of the classifications by GADSL and Mitsuba are written in parallel. *Not all the substances belonging to each substance group are described in this List. Only those whose Mitsuba's classifications differ from GADSL classifications are included in the List. For details, refer to GADSL website. http://www.gadsl.org/ |
| Table 2 | List of voluntarily prohibited substances Not Covered by GADSL | List of substances that by request of our customers designates as "prohibited" while they are not listed in GADSL. |
| Table 3 | <u>Criteria for Packaging Substances</u> | <u>List of restricted substances for packaging materials*.</u> <u>*Parts, items or materials that are used for packaging, protection, transportation, display, etc., and are intended to be removed, or that do not affect the use of the product even when removed. It also includes boxes, tapes, cushioning materials, labels and tags.</u> |
| Table 4 | <u>Information on Relevant Laws and Regulations</u> | <u>Legal matters requiring consideration of alternative technologies</u> <u>*If a product contains any of these substances, it must be reported in IMDS.</u> |

For the purpose of this list, the following terms and definitions shall apply:

- Substance: Name of chemical or chemical group
- CAS No.: A number allocated to each chemical by CAS (Chemical Abstracts Service), a division of the American Chemical Society (international standard chemical code)
- Threshold: Reference level of the chemical content per homogeneous material. If a chemical substance is contained in excess of this level, such a substance must be declared or prohibited from being used.
- P: Prohibited substance, D: Declarable substance
- D/P: Use another restriction (prohibit or declare substance)
- P#: Prohibited substance. However, Mitsuba may not require changeover of certain prohibited substances depending on type, customer, destination, and/or usage of products concerned
- Threshold : When there is no mentioning of a threshold, it's made 0.1%.

Table1 GADSL list

- P#: Prohibited substance. However, Mitsuba may not require changeover of certain prohibited substances depending on type, customer, destination, and/or usage of products concerned.

| GADSL No. | Substance (物質名) | 物質名(和名) *ミツバ追記 | CAS-No. | Classification (管理区分) | Mitsuba's Classification (ミツバ管理区分) | Threshold (閾値) | Source (Legal requirements, regulations), specified condition (法的必要条件、法規定、特定条件) |
|-----------|---|---|-------------|-----------------------|------------------------------------|---|--|
| 1 | Acetaldehyde | アセトアルデヒド | 75-07-0 | D | D | | Reg. (EC) No 1272/2008 |
| 2 | Acetamide, N-methyl- | N-メチルアセトアミド | 79-16-3 | D | D | | Reg. (EC) No 1272/2008, Classified as toxic to reproduction class 2 Reg. (EC) No 1907/2006 (REACH Candidate List) |
| 3 | Acetonitrile | アセトニトリル | 75-05-8 | D | D | | Reg. (EC) No 1272/2008 |
| 4 | Acrylamide | アクリルアミド | 79-06-1 | D | D | | Reg. (EC) No 1272/2008 Reg. (EC) No 1907/2006 (REACH Candidate List) |
| 5 | Acrylonitrile | アクリロニトリル | 107-13-1 | D | D | | Reg. (EC) No 1272/2008 |
| 6 | Alkyl (C7-C9), 3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]propionates, mixture of branched and linear | C7-C9-アルキル-3-[3-(2H-ベンゾトリアゾール-2-イル)-5-(1,1-ジメチルエチル)-4-ヒドロキシフェニル]プロピオンエーテル | 127519-17-9 | D | D | | Included in list of substances under REACH PACT assessment |
| 7 | Alkyl Phenol derivatives, selected | アルキルフェノール誘導体 | | D/P | D/P | | Toxic to Reproduction 1B(CLP). (EU) 2017/1510 REACH Annex XVII, Entries 30 |
| 8 | Amines, coco alkyl | ビス(ヒドロキシエチル)アルキルアミン | 61788-46-3 | D | D | | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |
| 9 | Amines, which can form carcinogenic Nitrosamines, selected | 発癌性ニトロソアミンを形成し得るアミン類 | | D | D | | Legally regulated according to german TRGS 615. Limit for all secondary Amines in volatile corrosion inhibitors, which can form carcinogenic Nitrosamines. Volatile corrosion inhibitors include papers, plastic films and oils. |
| 10 | 4-Aminobiphenyl and its salts, all members | 4-アミノビフェニルおよびその塩類すべて | | P | P | 0.01% | (EC) No 1272/2008, carcinogen class 2 Reg. (EC) No 552/2009 Reg. (EC) No 1907/2006 (REACH) |
| 11 | Ammonium Nitrate (AN) | 硝酸アンモニウム | 6484-52-2 | D | D | | The use of ammonium nitrate inflators in automotive airbags has been the reason for several recalls in the US (NHTSA Consent Order) and other markets. Reg. (EC) No 1272/2008 |
| 12 | Ammonium Perchlorate | 過塩素酸アンモニウム | 7790-98-9 | D | D | | Dir. 2007/23/EC. California Assembly Bill No. 826 - Perchlorate Contamination Prevention Act; implemented July 1, 2006. http://www.dtsc.ca.gov/HazardousWaste/Perchlorate |
| 13 | Aniline and its salts, all members | アニリンおよびその塩類すべて | | D | D/P | | Calculated according to 4.3.1 of the GADSL guidance document. Reg. (EC) No 1272/2008 |
| 13-1 | Aniline | アニリン | 62-53-3 | D | P# | | |
| 14 | 9,10-Anthracenedione, 1-[(5,7-dichloro-1,9-dihydro-2-methyl-9-oxopyrazolo[5,1-b]quinazolin-3-yl)azo]- (Pigment Red 251) | 3 - (1 - アントラキノニルアリ) - 5, 7 - ジクロロ - 2 - メチル - 1 H - ピラゾロ [3, 2 - b] キナゾリン - 9 - オン | 74336-60-0 | D | D | 0.1%, Report any intentionally added content. No testing required. | Reg. (EC) No 1272/2008 |
| 15 | Antimonytrioxide (Diantimonytrioxide) | 三酸化アンチモン(三酸化二アンチモン) | 1309-64-4 | D | D | | Reg. (EC) No 1272/2008 |
| 16 | Aromatic amines, selected | 芳香族アミン、抜粋 | | D/P | D/P | | Reg. (EC) No 1272/2008 Reg. (EC) No 1907/2006 (REACH) Reg.(EU) No 2018/1513 (REACH) |
| 16-1 | Methanaminium, n-[4-[bis[4-(dimethylamino)phenyl]methylene]-2,5-cyclohexadien-1-ylidene]-n-methyl-, chloride: C.I. Basic Violet 3 | クリスタルバイオレット | 548-62-9 | D/P | D/P | Shall not be placed on the market textiles other than clothing which, under normal or reasonably foreseeable conditions of use, come into contact with human skin to an extent similar to clothing. (Concentration limit by weight 0.005%) | EU No 1272/2008 (CLP): Classification: Suspected of causing cancer, Carc. 2; H351; Harmful if swallowed, Acute Tox. 4*; H302 Reg. (EC) No 1907/2006 (REACH Candidate List) Reg.(EU) No 2018/1513 (REACH) |
| 16-2 | [4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26) | ベースックブルー 26 | 2580-56-5 | D | P | | EU No 1272/2008 (CLP): Classification: Suspected of causing cancer, Carc. 2; H351; Harmful if swallowed, Acute Tox. 4*; H302 Reg. (EC) No 1907/2006 (REACH Candidate List) |
| 16-3 | O-toluidine, 4-chloro-, hydrochloride | 2-アミノ-5-クロロトルエン塩酸塩 | 3165-93-3 | D/P | D/P | Shall not be placed on the market textiles other than clothing which, under normal or reasonably foreseeable conditions of use, come into contact with human skin to an extent similar to clothing. (Concentration limit by weight 0.003%) | Reg. (EC) No 1272/2008, may cause cancer (class 2), possible risks of irreversible effects (class 3), very toxic to aquatic organisms (R50) Reg. (EC) No 552/2009 Reg.(EU) No 2018/1513 (REACH) |
| 16-4 | 2,4-Diaminoanisole sulphate (1,3-Benzenediamine, 4-methoxy-, sulfate (1:1)) | 4-メトキシ-1,3-ベンゼンジアミン硫酸塩 | 39156-41-7 | D/P | D/P | Shall not be placed on the market textiles other than clothing which, under normal or reasonably foreseeable conditions of use, come into contact with human skin to an extent similar to clothing. (Concentration limit by weight 0.003%) | Reg. (EC) No 1272/2008, may cause cancer (class 2), possible risks of irreversible effects (class 3), toxic to aquatic organisms (R51) Reg. (EC) No 552/2009 Reg.(EU) No 2018/1513 (REACH) |

Table1 GADSL list

- P#: Prohibited substance. However, Mitsuba may not require changeover of certain prohibited substances depending on type, customer, destination, and/or usage of products concerned.

| GADSL No. | Substance (物質名) | 物質名(和名) *ミツバ追記 | CAS-No. | Classification (管理区分) | Mitsuba's Classification (ミツバ管理区分) | Threshold (閾値) | Source (Legal requirements, regulations), specified condition (法的必要条件、法規定、特定条件) |
|-----------|--|---|------------|-----------------------|------------------------------------|---|---|
| 16-5 | Benzenamine, 4-[(4-aminophenyl)(4-imino-2,5-cyclohexadien-1-ylidene)methyl]-, monohydrochloride | パラロースアニリン塩酸塩 | 569-61-9 | D/P | D/P | Shall not be placed on the market textiles other than clothing which, under normal or reasonably foreseeable conditions of use, come into contact with human skin to an extent similar to clothing. (Concentration limit by weight 0.005%) | Substance is listed on the RoI List for REACH Annex XIV Reg.(EU) No 2018/1513 (REACH) |
| 17 | Arsenic and its compounds, all members | ヒ素およびその塩すべて | | D/P | P | 0.01% (unless present in metals & alloys, then the declaration limit is 0.05%). | Reg. (EC) No 1272/2008 Reg. (EC) No 552/2009 Reg. (EC) No 1907/2006 (REACH) |
| 17-1 | Arsenic, elemental | ヒ素 | 7440-38-2 | D | P# | | |
| 17-2 | Gallium arsenide | ヒ化ガリウム | 1303-00-0 | D | P# | | |
| 18 | Asbestos fibers, all members | 繊維状アスベストすべて | | P | P | Any intentionally added content | Reg. (EC) No 552/2009 Definition of asbestos fiber for counting purpose by OSHA in 1992 ; Particle with a length >5 μm, a diameter of <3μm and aspect ratio(length : width)> 3 : 1 |
| 19 | Asbestos Minerals, all members | 鉱物由来アスベストすべて | | D/P | P | Any intentionally added content | Potential to form Asbestos fibers (see entry Asbestos fibers) |
| 20 | Azodyes that can form carcinogenic amines, selected | 発がん性アミンを形成するアゾ染料 | | D/P | P | | Reg. (EC) No 552/2009, Reg. (EC) No 1907/2006 (REACH), TRGS 614 A list of affected azo dyes has been prepared by an industrial association (TEGEWA), see List A in http://www.tegewa.de/uploads/media/2001_Azofarbstoffe_gemaess_TRGS_614.pdf |
| 20-1 | C.I. Solvent Red 23, C.I.26100 | スタンIII | 85-86-9 | D/P | P# | | TRGS 614 |
| 20-2 | C.I. Solvent Red 24, C.I.26105 | スタンIV | 85-83-6 | D/P | P# | | TRGS 614 |
| 21 | Barium compounds (organic or water soluble), selected | バリウム化合物(有機化合物あるいは水溶性化合物)、抜粋 | | D | D | 1% Calculated according to 4.3.1 of the GADSL guidance document. | Reg. (EC) No 1272/2008 |
| 22 | Benzene | ベンゼン | 71-43-2 | D | P | 0.1% for physical solid state parts Shall not be placed on the market textiles other than clothing which, under normal or reasonably foreseeable conditions of use, come into contact with human skin to an extent similar to clothing. (Concentration limit by weight 0.0005%) | Directive 98/70/EC |
| 23 | Benzene, 1-(1,1-dimethylethyl)-3,5-dimethyl-2,4,6-trinitro- (Musk xylene) | 5-tert-ブチル-2,4,6-トリニトロ-m-キシレン | 81-15-2 | D/P | P | 0.01 or Not intentionally added | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) Reg. (EC) No 1907/2006 (REACH Annex XIV) |
| 24 | Benzene-1,2,4-tricarboxylic acid 1,2-anhydrid | トリメリット酸無水物 | 552-30-7 | D | D | | Reg. (EC) No1907/2006 (REACH Candidate List) |
| 25 | 1,4-Benzenediamine, N,N' -mixed phenyl and tolyl derivs | N-モノメチルフェニル-N'-モノメチルフェニル-p-フェニレンジアミン | 68953-84-4 | D | D | 0.1%, Report any intentionally added content. No testing required. | Canada Gazette Vol. 140, No. 49 - December 9, 2006 (Canadian Challenge). The Canadian Challenge is regulated under the Part 5, Section 71, of the Canadian Environmental Protection Act, 1999 (CEPA, 1999). |
| 26 | 1,4-Benzenediamine, N,N'-mixed Ph and tolyl and xylyl derivs. | - | 68953-83-3 | D | D | | Included in list of substances under REACH PACT assessment |
| 27 | 1,4-Benzenediamine, N,N'-mixed tolyl and xylyl derivs. | - | 68478-45-5 | D | D | | Included in list of substances under REACH PACT assessment |
| 28 | 1,2-Benzenedicarboxylic acid, diethyl ester, branched and linear | フタル酸ジイソヘキシル | 68515-50-4 | D | P | | Annex XIV recommendation Reg. (EC) No 1272/2008 |
| 29 | 1,4 Benzenediol (Hydroquinone) | ヒドロキノン | 123-31-9 | D | D | | Canada SNAC http://www.gazette.gc.ca/rp-pr/p2/2011/2011-12-21/html/sor-dors293-eng.html |
| 30 | Benzenepropanoic acid, 3-(1,1-dimethylethyl)-4-hydroxy-5-methyl-, 1,2-ethanediybis(oxy-2,1-ethanediy) ester | ビス[3-(3-tert-ブチル-4-ヒドロキシ-5-メチルフェニル)プロピオン酸][エチレンビス(オキシエチレン)] | 36443-68-2 | D | D | | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |
| 31 | Benzenesulfonic acid, C10-16-alkyl derivs. | ドデシルベンゼンスルホン酸 (ソフト型) (混合物) | 68584-22-5 | D | D | | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |
| 32 | Benzenesulfonic acid, C10-16-alkyl derivs, compds. with 2-propanamine | ドデシルベンゼンスルホン酸イソプロピルアミン | 68584-24-7 | D | D | | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |
| 33 | Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts | 直鎖アルキルベンゼンスルホン酸ナトリウム | 68411-30-3 | D | D | | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |
| 34 | Benzenesulfonic acid, dodecyl(sulfophenoxy)-, sodium salt (1:2) | ドデシル(スルホフェノキシ)ベンゼンスルホン酸ナトリウム | 28519-02-0 | D | D | | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |
| 35 | Benzenesulfonic acid, oxybis[dodecyl]-, disodium salt | ドデカン-1-イルベンゼンスルホナート | 25167-32-2 | D | D | | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |
| 36 | Benzenesulfonic acid, [[4-[(4-(phenylamino)phenyl)]4-(phenylimino)-2,5-cyclohexadien-1-ylidene]methyl]phenyl]amino]- (Pigment Blue 61) | [[4-[[4-(フェニルアミノ)フェニル][4-(フェニルイミノ)-2,5-シクロヘキサジエン-1-イルデン]メチルフェニル]アミノ]ベンゼンスルホン酸 | 1324-76-1 | D | D | | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |
| 37 | Benzidine and its salts, all members | ベンジジンおよびその塩すべて | | P | P | 0.01%, see details for Canada specific | Reg. (EC) No 1272/2008, carcinogen class 2 Reg. (EC) No 552/2009 Reg. (EC) No 1907/2006 (REACH) Canadian Toxic Substances Regulation 2005 |

Table1 GADSL list

- P#: Prohibited substance. However, Mitsuba may not require changeover of certain prohibited substances depending on type, customer, destination, and/or usage of products concerned.

| GADSL No. | Substance (物質名) | 物質名(和名) *ミツバ追記 | CAS-No. | Classification (管理区分) | Mitsuba's Classification (ミツバ管理区分) | Threshold (閾値) | Source (Legal requirements, regulations), specified condition (法的必要条件、法規定、特定条件) |
|-----------|--|--|--------------------|-----------------------|------------------------------------|---|---|
| 38 | Benzododecinium chloride; | ドデシルベンジルジメチルアミニウム・クロリド | 139-07-1 | D | D/P | | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |
| 39 | Benzoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,4-bis(1,1-dimethylethyl)phenyl ester | 3,5-ジ-tert-ブチル-4-ヒドロキシ安息香酸 2,4-ジ-tert-ブチルフェニル | 4221-80-1 | D | D | | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |
| 40 | Benzophenone | ベンゾフェノン | 119-61-9 | D | D | | California Proposition 65 |
| 41 | Benzothiazole-2-thiol; 2-Mercaptobenzothiazole; | 2-メルカプトベンゾチアゾール | 149-30-4 | D | D/P | | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |
| 42 | 2-Benzothiazolesulphenamide, N, N-dicyclohexyl- | N,N-ジシクロヘキサン-1-イル(1,3-ベンゾチアゾール-2-イルスルファニル)アミン | 4979-32-2 | D | D | Any intentionally added content must be reported | Japan Chemical Substances Control Law [Monitoring] |
| 43 | 2(3H)-Benzothiazolethione, sodium salt (1:1) | 2-メルカプトベンゾチアゾールナトリウム | 2492-26-4 | D | D | | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |
| 44 | 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328) | 2-(2H-ベンゾトリアゾール-2-イル)-4,6-ビス(1,1-ジメチルプロピル)フェノール | 25973-55-1 | D | D/P | | Reg. (EC) No 1907/2006 (REACH Annex XIV) |
| 45 | 2-(2H-benzotriazol-2-yl)-p-cresol (UV-P) | 2-(2-ヒドロキシ-5-メチルフェニル)ベンゾトリアゾール | 2440-22-4 | D | D | | Included in list of substances under REACH PACT assessment |
| 46 | 2-Benzyl-2-dimethylamino-4-morpholinobutylphenone | 2-(ジメチルアミノ)-1-(4-モルホリノフェニル)-2-ベンジル-1-ブタンオン | 119313-12-1 | D | D | | Reg. (EC) No 1907/2006 (REACH Candidate List) |
| 47 | Beryllium and its compounds, all members | ベリリウムおよびその化合物すべて | | D | D | | Reg. (EC) No 1272/2008 |
| 48 | Biocidal coatings / biocidal additives, selected | バイオサイド化合物のコーティングおよび添加物、抜粋 | | D/P | D/P | Any intentionally added content | Reg. (EU) No 528/2012 This list is derived from the following product-types believed to be relevant to the GADSL criteria: product-type 7: Film preservatives; product-type 8: Wood preservatives and product-type 9: Fibre, leather, rubber and polymerised materials preservatives. These requirements apply only to intended use as a biocide. |
| 49 | Bis(2-(2-methoxyethoxy)ethyl)ether | テトラエチレンジコールジメチルエーテル | 143-24-8 | D | D/P | | Reg. (EC) No 1907/2006 (REACH Candidate List) |
| 50 | Bis(chloromethyl) ether (BCME) | ビス(クロロメチル)エーテル(BCME) | 542-88-1 | P | P | Any intentionally added content | Prohibition of Certain Toxic Substances Regulations, 2005 (SOR/SOR/2005-41. Published in Canada Gazette Part II, 2006-11-29 Vol. 140, No. 24 K-REACH |
| 51 | Boric acid/Orthoboric acid | ホウ酸/オルトホウ酸 | 10043-35-3 | D/P | D/P | | Reg. (EC) No 1907/2006 (REACH Candidate List) Reg. (EU) No 528/2012 |
| 52 | Boric acid/Orthoboric acid | ホウ酸/オルトホウ酸 | 11113-50-1 | D/P | P | | Reg. (EC) No 1907/2006 (REACH Candidate List) Reg. (EU) No 528/2012 |
| 53 | Butadiene, 1,3 - | 1,3-ブタジエン | 106-99-0 | D | D | | Reg. (EC) No 1272/2008 |
| 54 | Cadmium and its compounds, all members | カドミウムおよびその化合物すべて | | D/P | P | 0.01% for impurities, any intentionally introduced content must be reported | Dir. 2000/53/EC Reg. (EC) No 1272/2008 Reg. (EC) No 552/2009 Reg. (EC) No 1907/2006 (REACH) GB/T 30512 (ELV China) |
| 55 | Chlorinated hydrocarbons, selected | 塩素化炭化水素、抜粋 | | D/P | P | | Multiple (see below). Several chlorinated hydrocarbons listed are not explicitly prohibited in applications associated with manufactured articles, however, within the EU there is a general regulatory presumption toward substitution for industrial uses. |
| 55-1 | Trichloroethylene | トリクロロエチレン | 79-01-6 | D/P | P# | | Reg. (EC) No 1272/2008 (Carc. Cat. 2; N, R52/53) 99/13/EEC Reg. (EC) No 1907/2006 (REACH Annex XIV) |
| 56 | Chlorinated or brominated Dibenzo-p-dioxins or Dibenzofurans, all members | 塩素化および臭素化ダイオキシンおよびフランすべて | | P | P | Content above 10 ppb | Reg. (EC) 850/2004 |
| 57 | Chlorinated paraffins, short & medium chain length (SCCP, MCCP), all members: Note that the use of specific CAS numbers for these substances differs throughout the world. Example CAS numbers are provided below; however, other CAS numbers may be used that are not specific to chain length. Therefore, please consult your MSDS and supplier to determine product-specific chain length. | 直鎖塩素化パラフィン(短鎖、中鎖)すべて 注: この化合物のCAS Noと物質は地域差があるので、調査時に対象を確認のこと | | D/P | D/P | 1% | Reg. (EC) 850/2004 |
| 57-1 | Alkanes, C10-12, chloro | 塩化パラフィン (C12, 60%塩素) | 108171-26-2 | P | P | | Japan Chemical Substances Control Law [Class1] |
| 57-2 | Alkanes, C10-13, chloro | 短鎖型塩化パラフィン | 85535-84-8 | P | P | | Reg. (EC) No 1907/2006 (REACH Candidate List) |
| 57-3 | Alkanes, C12-13, chloro | クロロアルカン (C12-13) | 71011-12-6 | P | P | | Stockholm convention REACH Annex XIV Recommendation Reg. (EC) No 1272/2008 JPN CSCL Class1 |
| 57-4 | Alkanes, C14-17, chloro | クロロアルカン (C14-17) | 85535-85-9 | D | D/P | | Canada (SOR/2008-218) Reg. (EU) 2019/1021 |
| 57-5 | Alkanes, C10-21, chloro | クロロアルカン(C10-21) | 84082-38-2 | D/P | P | | All uses are "D" unless a C10 to C13 substance is present. Check with supplier to assure that no P substances (C10 to C13, see SCCP above) are included. If they are present the substance is classified P! Canadian Prohibition of Certain Toxic Substances Regulations, 2012 amended to prohibit the use, manufacture, import, sale and offer for sale any SCCP effective January 1, 2013. |
| 57-6 | Alkanes, chloro; chloroparaffins | 塩素化パラフィン | 61788-76-9 | P | P | | Stockholm Convention on Persistent Organic Pollutants Japan Chemical Substances Control Law [Class1] |
| 57-7 | Paraffin oils, chloro | クロロパラフィン | 85422-92-0 | P | P | | Stockholm Convention on Persistent Organic Pollutants Japan Chemical Substances Control Law [Class1] |
| 57-8 | Paraffin waxes and Hydrocarbon waxes, chloro | クロロアルカン、クロロパラフィン類 | 51990-12-6 | D | D/P | | UK DEFRA |
| 57-9 | Paraffin waxes, chloro | 塩素化パラフィン | 63449-39-8 | P | P | | Canadian Prohibition of Certain Toxic Substances Regulations, 2012 amended to prohibit the use, manufacture, import, sale and offer for sale any SCCP effective January 1, 2013. |

Table1 GADSL list

- P#: Prohibited substance. However, Mitsubishi may not require changeover of certain prohibited substances depending on type, customer, destination, and/or usage of products concerned.

| GADSL No. | Substance (物質名) | 物質名(和名) *ミツバ追記 | CAS-No. | Classification (管理区分) | Mitsuba's Classification (ミツバ管理区分) | Threshold (閾値) | Source (Legal requirements, regulations), specified condition (法的必要条件、法規定、特定条件) |
|-----------|--|---|-------------|-----------------------|------------------------------------|--|--|
| 57-10 | Chlorinated n-paraffins (C6-18) | 塩素化パラフィン (C6-18) | 68920-70-7 | P | P | | Canadian Prohibition of Certain Toxic Substances Regulations, 2012 amended to prohibit the use, manufacture, import, sale and offer for sale any SCCP effective January 1, 2013. Japan Chemical Substances Control Law [Class1] |
| 57-11 | Alkane, C10-14-, Chloro- | クロロアルカン(C10-14) | 85681-73-8 | D/P | P | | |
| 57-12 | Alkane, C12-14-, Chloro- | クロロアルカン(C12-14) | 85536-22-7 | D/P | P | | |
| 57-13 | Alkane, C16-27-, Chloro- | クロロアルカン (C16-27) | 84776-07-8 | D/P | D/P | | |
| 57-14 | Alkane, C16-35-, Chloro- | クロロアルカン (C16-35) | 85049-26-9 | D/P | D/P | | |
| 57-16 | Alkanes, C10-26, chloro | クロロアルカン (C = 10 ~ 26) | 97659-46-6 | P | P | | Japan Chemical Substances Control Law [Class1] |
| 57-17 | Alkanes, C10-32, chloro | クロロアルカン (C = 10 ~ 32) | 84776-06-7 | P | P | | Japan Chemical Substances Control Law [Class1] |
| 57-18 | Paraffins (petroleum), normal C>10, chloro | クロロパラフィン (C> 10、直鎖型、石油系) | 97553-43-0 | P | P | | Japan Chemical Substances Control Law [Class1] |
| 57-19 | Undecane, 1,1,1,3,5,7,9,11,11-nonachloro- | 塩素化パラフィン(C11、塩素数7~12) | 18993-26-5 | P | P | | Japan Chemical Substances Control Law [Class1] |
| 57-20 | Undecane, 1,1,1,3,6,7,10,11-octachloro- | 1, 1, 1, 3, 6, 7, 10, 11 - オクタクロロウンデカン | 601523-20-0 | P | P | | Japan Chemical Substances Control Law [Class1] |
| 57-21 | Undecane, 1,1,1,3,9,11,11,11-octachloro- | 1, 1, 1, 3, 9, 11, 11, 11 - オクタクロロウンデカン | 601523-25-5 | P | P | | Japan Chemical Substances Control Law [Class1] |
| 57-22 | Undecane, 1,2,10,11,?,?,?,?-octachloro- | 1, 2, 10, 11, ?, ?, ?, ? - オクタクロロウンデカン | 221174-07-8 | P | P | | Japan Chemical Substances Control Law [Class1] |
| 57-23 | Undecane, decachloro- | デカクロロウンデカン | 276673-33-7 | P | P | | Japan Chemical Substances Control Law [Class1] |
| 57-24 | Undecane, heptachloro- | ヘプタクロロウンデカン | 219697-10-6 | P | P | | Japan Chemical Substances Control Law [Class1] |
| 57-25 | Undecane, nonachloro- | ノナクロロウンデカン | 219697-11-7 | P | P | | Japan Chemical Substances Control Law [Class1] |
| 57-26 | Undecane, octachloro- | オクタクロロウンデカン | 36312-81-9 | P | P | | Japan Chemical Substances Control Law [Class1] |
| 58 | 5-Chlorobenzotriazole, 2-(2-Hydroxy-3-tert-butyl-5-methylphenyl)- (UV-326) | 2-(5-クロロ-2-ベンゾトリアゾール)-6-tert-ブチル-p-クレゾール | 3896-11-5 | D | D | | Included in list of substances under REACH PACT assessment |
| 59 | Chromium(VI)-salts, all members | 六価クロム塩すべて | | D/P | P | | Reg. (EC) No 1272/2008, Reg.(EU) No 301/2014 Dir. 2000/53/EC Reg. (EC) No 1907/2006 (REACH) GB/T 30512 (ELV China) |
| 59-1 | Chromic acid | クロム酸 | 7738-94-5 | D/P | P# | | Reg. (EC) No 1907/2006 (REACH Annex XIV) |
| 60 | C.I. Disperse Yellow 3 | N-[4-[(2-ヒドロキシ-5-メチルフェニル)アゾ]フェニル]アセトアミド | 2832-40-8 | D | D | | California Proposition 65 |
| 61 | Cobalt and its compounds, all members | コバルトおよびその化合物すべて | | D/P | D/P | 0.1% for impurities, any intentionally introduced content must be reported, 3mg/kg of chromium VI content in the total dry weight of the leather | Reg. (EC) No 1272/2008 Reg. (EC) No 1907/2006 (REACH) |
| 61-1 | Arsenic acid (H3AsO4), cobalt(2+) salt (2:3) | ヒ酸コバルト (II) | 24719-19-5 | D | D/P | | |
| 61-2 | Arsenopyrite, cobaltoan | コバルト アルセバライト | 12414-94-7 | D | D/P | | |
| 61-3 | Chromium cobalt copper iron manganese oxide | クロム、コバルト、銅、鉄の酸化物 | 102262-21-5 | D | D/P | | |
| 61-4 | Chromium cobalt iron manganese oxide | クロム、コバルト、鉄、マンガン酸化物 | 102262-22-6 | D | P | | |
| 61-5 | Chromium cobalt manganese oxide | クロム、コバルト、マンガンの酸化物 | 102262-19-1 | D | P | | |
| 61-6 | Chromium cobalt oxide | 酸化クロムコバルト | 37382-24-4 | D | P | | |
| 61-7 | Chromium cobalt oxide (Cr2CoO4) | 酸化コバルトクロム | 12016-69-2 | D | P | | |
| 61-8 | Cobalt arsenide (CoAs) | ヒ化コバルト | 27016-73-5 | D | D/P | | |
| 61-9 | Cobalt arsenide (CoAs2) | ヒ化コバルト | 12044-42-7 | D | D/P | | |
| 61-10 | Cobalt arsenide (CoAs3) | ヒ化コバルト | 12256-04-1 | D | D/P | | |
| 61-11 | Cobalt chromate (Chromic acid (H2CrO4), cobalt(2+) salt (1:1)) | コバルトクロメート | 13455-25-9 | D/P | P | | |
| 61-12 | Cobalt chromium alloy | コバルトクロム合金 | 11114-92-4 | D | D/P | | |
| 61-13 | Cobalt chromite blue green spinel | - | 68187-50-8 | D | D/P | | |
| 61-14 | Naphthenic acid, cobalt lead manganese salt | - | 61789-50-2 | D/P | P | | REACH Annex XIV Recommendation |
| 62 | Colophony (Rosin), selected | コロホニー(ロジン)抜粋 | | D | D | | ACGIH Worldwide - Documentation of the TLVs and BEIs with other Worldwide Occupational Exposure Values; 2003. |
| 63 | Copper (metallic) | 銅(金属) | 7440-50-8 | D | D/P | 5% after 2021/1/1 for Brake pad | California and Washington state laws: CA SB 346 and WA SB 6557 (Regulations apply only to brake and friction material applications). |
| 64 | Critical Raw Materials | 重要な原材料 | - | D | D | California and Washington state laws: CA SB 346 and WA SB 6557 (Regulations apply only to brake and friction material applications). | <ul style="list-style-type: none"> 5 % copper and its compounds by weight (January 1, 2021) 0.5 % copper and its compounds by weight (January 1, 2025) |
| 65 | Cumene | クメン | 98-82-8 | D | D | | California Proposition 65 |
| 66 | Cyclododecane, hexabromo-(HBCD) | ヘキサブロモシクロドデカン(HBCD) | | D/P | P | for Canada report any intentionally added content | <ul style="list-style-type: none"> (EC) No 1272/2008 Reg. (EC) No 1907/2006 (REACH Annex XIV see Sunset Date) Japan Chemical Substances Control Law [Class I] CEPA Toxic Expected prohibition date aligned with other signatories to the Stockholm Convention. Prohibition expected in 2014 to 2015. Report any intentional addition, no testing required |
| 67 | Cyclohexane-1,2-dicarboxylic anhydride | ヘキサヒドロイソベンゾフラン-1,3-ジオン | 85-42-7 | D | D | | Reg. (EC) No 1907/2006 (REACH Candidate List) |
| 68 | D&C Orange No. 17 | バーマントオレンジ | 3468-63-1 | D | D | | California Proposition 65 |
| 69 | Decamethylcyclopentasiloxane | 2, 2, 4, 4, 6, 6, 8, 8, 10, 10 - デカメチルシクロペンタシロキサン | 541-02-6 | D | D | | Reg. (EC) No 1907/2006 (REACH Candidate List) |
| 70 | Diamino-diphenylmethane (4,4'-Diaminodiphenylmethane) | ジアミノジフェニルメタン(4,4'-ジアミノジフェニルメタン) | 101-77-9 | D/P | P | 0.01 or Not intentionally added | Reg. (EC) No 1272/2008 Reg. (EC) No 1907/2006 (REACH Annex XIV) |
| 71 | Diazene-1,2-dicarboxamide, Azodicarbonamide (ADCA) | C, C' - ジアゼンジルジメタンアミド | 123-77-3 | D | P# | | Reg. (EC) No 1907/2006 (REACH Candidate List) |
| 72 | 1,3-dihydro-4(or 5)-methyl-2H-benzimidazole-2-thione | 2-メチルカプトメチルベンズイミダゾール。ノック MMB | 53988-10-6 | D | D | | Included in list of substances under REACH PACT assessment |
| 73 | 1,3-dihydro-4(or 5)-methyl-2H-benzimidazole-2-thione, zinc salt | 2(1,3-ジヒドロ-4-メチル-2H-ベンゾイミダゾール-2-チオン)亜鉛 | 61617-00-3 | D | D | | Included in list of substances under REACH PACT assessment |

Table1 GADSL list

- P#: Prohibited substance. However, Mitsuba may not require changeover of certain prohibited substances depending on type, customer, destination, and/or usage of products concerned.

| GADSL No. | Substance (物質名) | 物質名(和名) *ミツバ追記 | CAS-No. | Classification (管理区分) | Mitsuba's Classification (ミツバ管理区分) | Threshold (閾値) | Source (Legal requirements, regulations), specified condition (法的必要条件、法規定、特定条件) |
|-----------|---|---|-----------------|-----------------------|------------------------------------|---------------------------------|---|
| 74 | 2,4-Dihydroxybenzophenone | 2, 4 - ジハイドロキシベンゾフェノン | 131-56-6 | D | D | | Included in list of substances under REACH PACT assessment |
| 75 | Disodecyl azelate | アゼライン酸ジソデシル | 28472-97-1 | D | D | | Included in list of substances under REACH PACT assessment |
| 76 | Dimethylformamide (N,N-Dimethylformamide) | ジメチルホルムアミド(N,N-ジメチルホルムアミド) | 68-12-2 | D/P | D/P | | Reg. (EC) No 1907/2006 (REACH Candidate List) Reg. (EC) No 1272/2008 Dir 91/689/EC Reg.(EU) No 2018/1513 (REACH) |
| 77 | N,N-Dimethylacetamide | N,N-ジメチルアセトアミド | 127-19-5 | D | D | | Reg. (EC) No 1907/2006 (REACH Candidate List) |
| 78 | 2,4 Dinitrotoluene | 2, 4 - ジニトロトルエン | 121-14-2 | D/P | P | 0.01 or Not intentionally added | Reg. (EC) No 1907/2006 (REACH Annex XIV) |
| 79 | Diorganotin compounds | ジ有機スズ化合物 | | D/P | P | | (EU) No 276/2010, REACH Annex XVII (EU) No 276/2010, REACH Annex XVII https://public.mdsystem.com/documents/10906/17094/faq_organo_tin_compounds.pdf |
| | Dibutyltin compounds, all members | ジブチルスズ化合物 | | D/P | P | | |
| 79-1 | Dibutyltin diacetate | ジブチルスズ二酢酸 | 1067-33-0 | D/P | P# | 0.1% (By weight of tin) | |
| 79-2 | Dibutyltin maleate | 2, 2 - ジブチル - 1, 3, 2 - ジオキサスタネピン - 4, 7 - ジオン | 78-04-6 | D/P | P# | 0.1% (By weight of tin) | |
| 79-3 | Dibutyltin oxide | ジブチルスズオキシド | 818-08-6 | D/P | P# | 0.1% (By weight of tin) | |
| 79-4 | Dibutyltin dilaurate | ジラウリン酸ジブチルスズ | 77-58-7 | D/P | P# | 0.1% (By weight of tin) | |
| 79-5 | Tin, dibutylbis(2,4-pentanedionato-O,O'), (OC-6-11)- | ジブチル錫ビス(アセチルアセトネート) | 22673-19-4 | D/P | P# | 0.1% (By weight of tin) | Reg. (EC) No 1907/2006 (REACH Candidate List) |
| 79-6 | | ジブチルスズ化合物 | | D/P | P | | (EU) No 276/2010 REACH Annex XVII: Use in fabrics or RTV-2 moulding kits etc with direct, prolonged skin contact is prohibited |
| 79-7 | Acetic acid, 2,2'-[[di(octylstannylene)bis(thio)]bis-, 1,1'-diisooctyl ester | 2, 2'- [(ジブチルスズオキシド)ビス(チオ)] 二酢酸ジブチル | 26401-97-8 | D/P | P# | 0.1% (By weight of tin) | |
| 79-8 | Di-n-octyltin bis(2-ethylhexyl maleate) | ビス(2-エチルヘキシル) = 4, 4'- [(ジブチルスズオキシド)ビス(オキソ)] ビス(4-オキソ-2-ブテノアト) | 10039-33-5 | D/P | P# | 0.1% (By weight of tin) | |
| 79-9 | Diocetyl(bis(stearoyloxy)stannane | ジブチルスズビス(1-オキソオクタデシル)オキソ] スズ | 22205-26-1 | D/P | P# | 0.1% (By weight of tin) | |
| 79-10 | 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE) | ビス(2-エチルヘキサン-1-イル) = 2, 2'- [(ジブチルスズオキシド)ビス(オキソ)] ビス(スルファンジール) ジアセト | 15571-58-1 | D/P | P# | 0.1% (By weight of tin) | Reg. (EC) No 1907/2006 (REACH Candidate List) |
| 79-11 | Diocetyl dilaurate | ジブチルスズビス(1-オキソドデシル)オキソ] スズ | 3648-18-8 | D/P | P# | 0.1% (By weight of tin) | |
| 79-12 | Diocetyl oxide, (Stannane, dioctyl-oxo-) | ジブチルスズ(オキソ) スタンナン | 870-08-6 | D/P | P# | | |
| 79-13 | Diocetylindinedecanoate | ジブチルスズスタンニレン=ビス(ネオデカノアト) | 68299-15-0 | D/P | P# | 0.1% (By weight of tin) | |
| 79-14 | | その他ジ有機スズ化合物 | | D/P | D/P | | (EU) No 276/2010 REACH Annex XVII: Use in fabrics or RTV-2 moulding kits etc with direct, prolonged skin contact is prohibited |
| 79-15 | 2-Ethylhexyl 10-ethyl-4,4-dimethyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate | - | 57583-35-4 | D | D/P | | Included in list of substances under REACH PACT assessment |
| 79-16 | Dimethoxybis(pentane-2,4-dionato-O,O')tin | - | 66779-19-9 | D | D/P | | |
| 79-17 | Dimethyltin dichloride | ジクロロジメチルスズ | 753-73-1 | D | D/P | | Included in list of substances under REACH PACT assessment |
| 80 | 1,4-Dioxane | 1,4-ジオキサン | 123-91-1 | D | D | | Reg. (EC) No 1907/2006 (REACH Candidate List) |
| 81 | Sodium octaborate, anhydrous | | 12008-41-2 | D | P | | Reg. (EC) No 1907/2006 (REACH Candidate List) |
| 82 | Disodium octaborate tetrahydrate; Boron sodium oxide (B8Na2O13), tetrahydrate | 十三酸化二ナトリウム八ボロ素四水合物 | 12280-03-4 | D/P | P# | | Reg. (EC) No 1907/2006 (REACH Candidate List) See also substance entry in Biocidal coatings / biocidal additives, selected |
| 83 | Disodium tetraborates, selected | N29,N30,N31,N32] スズ, (炭素数6-12) | | D/P | D/P | | Reg. (EC) No 1272/2008 Reg. (EC) No 1907/2006 (REACH) |
| 83-1 | Tetraboron Disodium heptaoxide, hydrate | 四ボロ酸二ナトリウム | 12267-73-1 | D | P | | |
| 84 | 2,6-di-tert-butyl-p-cresol | 2,6-ジ-tert-ブチル-p-クレゾール | 128-37-0 | D | D | | Included in list of substances under REACH PACT assessment Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |
| 85 | 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol | 2,2'-メチレンビス(6-tert-ブチル-p-クレゾール) | 119-47-1 | D | D | | Reg. (EC) No 1907/2006 (REACH Candidate List) |
| 86 | 6,6'-di-tert-butyl-4,4'-thiodi-m-cresol | 4,4'-チオビス(6-tert-ブチル-m-クレゾール) | 96-69-5 | D | D | | Included in list of substances under REACH PACT assessment Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |
| 87 | 2,5-di-tert-pentylhydroquinone | 2,5-ジ-tert-アミルヒドロキノン | 79-74-3 | D | D | | Included in list of substances under REACH PACT assessment |
| 88 | 2,2'-Dithiobis(benzothiazole) | 2,2'-ジベンゾチアゾリルジスルフィド | 120-78-5 | D | D | | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |
| 89 | Diundecyl phthalate, branched and linear | 3-1307, ジウンデシル(分枝、直鎖) = フタラト | 85507-79-5 | D | D | | Included in list of substances under REACH PACT assessment |
| 90 | Dodecachloropentacyclo 1, 3, 4-Metheno-1H-cyclobuta(cd)pentalene, Mirex | ドデカクロロペンタシクロ [5.3.0.0(2,6).0(3,9).0(4,8)]デカンマイレックス | 2385-85-5 | P | P | Intentional addition prohibited | Prohibition of Certain Toxic Substances Regulations, 2005 (SOR/SOR/2005-41. Published in Canada Gazette Part II, 2006-11-29 Vol. 140, No. 24 |
| 91 | 1,6,7,8,9,14,15,16,17,18,18-Dodecachloropentacyclo[12.2.1.1*6,9*.0*2,13*.0*5,10*]octadeca-7,15-diene, all members | ドデカクロロドデカヒドロジメタジベンゾシクロオクテン | | D | D | | Reg. (EC) No 1907/2006 (REACH Candidate List) Additional isomers were added to the List |
| 92 | Dodecamethylcyclohexasiloxane (D6) | ドデカメチルシクロヘキサシロキサン | 540-97-6 | D | D | | Reg. (EC) No 1907/2006 (REACH Candidate List) |
| 93 | Epichlorohydrin (1-chloro-2,3-epoxypropane) | エピクロヒドリン(1-クロロ-2,3-エポキシプロパン) | 106-89-8 | D | D | | Reg. (EC) No 1272/2008 |
| 94 | 1,1'-(ethane-1,2-diyl)bis[pentabromobenzene] | 1,2-ビス(2,3,4,5,6-ペンタブロモフェニル)エタン | 84852-53-9 | D | D | | Included in list of substances under REACH PACT assessment |

Table1 GADSL list

- P#: Prohibited substance. However, Mitsuba may not require changeover of certain prohibited substances depending on type, customer, destination, and/or usage of products concerned.

| GADSL No. | Substance (物質名) | 物質名(和名) *ミツバ追記 | CAS-No. | Classification (管理区分) | Mitsuba's Classification (ミツバ管理区分) | Threshold (閾値) | Source (Legal requirements, regulations), specified condition (法的必要条件、法規定、特定条件) |
|-----------|--|---|------------|-----------------------|------------------------------------|---|---|
| 95 | Ethane-1,2-diol | エチレングリコール | 107-21-1 | D | D | | Included in list of substances under REACH PACT assessment |
| 96 | Ethanol, 2-(2-methoxyethoxy)- | ジエチレングリコールヒトリエチレングリコール | 111-77-3 | D | D | 0.1%, Report any intentionally added content. No testing required. | Canada Gazette Vol. 140, No. 49 - December 9, 2006 (Canadian Challenge). The Canadian Challenge is regulated under the Part 5, Section 71, of the Canadian Environmental Protection Act, 1999 (CEPA, 1999). |
| 97 | Ethyl- / Methyl-Glycols and their Acetates | エチレングリコール(モノ/メチル)エーテルおよびそのアセテート類 | | D/P | D/P | Report any known concentration | See below |
| 97-1 | Propanol, 2-methoxy- | 2-メトキシ-1-プロパノール | 1589-47-5 | D | P | Report any known concentration | Canada Gazette Vol. 140, No. 49 - December 9, 2006 (Canadian Challenge). The Canadian Challenge is regulated under the Part 5, Section 71, of the Canadian Environmental Protection Act, 1999 (CEPA, 1999). |
| 97-2 | 2-Methoxyethanol | 2-メトキシエタノール | 109-86-4 | P | P# | 0.1% (Except Battery use) | Prohibition of Certain Toxic Substances Regulations, 2005 (SOR/SOR/2005-41. Published in Canada Gazette Part II, 2006-11-29 Vol. 140, No. 24 Reg. (EC) No 1907/2006 (REACH Candidate List) |
| 97-3 | 2-Ethoxyethanol | 2-エトキシエタノール | 110-80-5 | D | P# | Report any known concentration | |
| 97-4 | 2-Methoxyethyl acetate | 酢酸 2-メトキシエチル | 110-49-6 | D | P | Report any known concentration | Reg. (EC) No1907/2006 (REACH Candidate List) |
| 98 | Ethylbenzene | エチルベンゼン | 100-41-4 | D | D | | California Proposition 65 |
| 99 | N,N'-ethylenebis(3,4,5,6-tetrabromophthalimide) | 2,2'-エチレンビス(4,5,6,7-テトラブロモイソインドリン-1,3-ジオン). | 32588-76-4 | D | D | | Included in list of substances under REACH PACT assessment |
| 100 | Ethylenediamine | エチレンジアミン | 107-15-3 | D | P | | Reg. (EC) No1907/2006 (REACH Candidate List) |
| 101 | Ethylene Glycol Monoethyl Ether Acetate | 酢酸2-エトキシエチル | 111-15-9 | D | P# | | California Proposition 65 |
| 102 | Ethylenethiourea/Imidazolidine-2-thione | エチレンチオ尿素 | 96-45-7 | D | D | | Reg. (EC) No1907/2006 (REACH Candidate List) |
| 103 | Formaldehyde | ホルムアルデヒド | 50-00-0 | D/P | P# | Any intentionally added content of formaldehyde must be reported. Formaldehyde in any material, which may be emitted under reasonable and foreseeable conditions, must be qualitatively indicated. Impurities of formaldehyde above 0.1 % has to be declared. | Reg. (EC) No 1272/2008 Reg. (EU) No 528/2012 (BPR) |
| 104 | Glutaral; Glutaraldehyde; Pentane-1,5-dial; Pentanedial | グルタルアルデヒド (2426%水溶液) | 111-30-8 | D/P | D/P | | Reg. (EC) No1907/2006 (REACH Candidate List) |
| 105 | Hexachlorobenzene | ヘキサクロロベンゼン | 118-74-1 | D/P | P | 10 ppb | (EC) No 1272/2008, The Canadian Prohibition of Certain Toxic Substances Regulations 2012 Regulation states at Section 4 that: ...a person must not manufacture, use, sell, offer for sale or import a toxic substance set out in schedule 1 or a product containing it unless the toxic substance is incidentally present. Japan Chemical Substance Control Law [Class I]. Must use BAT (Best Available Technology) to assure lowest concentration. Levels above BAT are prohibited see http://www.meti.go.jp/policy/chemical_management/english/csd/publications.html |
| 106 | Hexachloro-1,3-butadiene (HCBD) | ヘキサクロロ-1,3-ブタジエン(HCBD) | 87-68-3 | P | P | Intentional addition prohibited | Prohibition of Certain Toxic Substances Regulations, 2005 (SOR/SOR/2005-41. Published in Canada Gazette Part II, 2006-11-29 Vol. 140, No. 24 GefStoffV with Annex IV Nr. 5 |
| 107 | Hexachlorocyclohexane, gamma isomer, Lindane | ヘキサクロロシクロヘキサン | 58-89-9 | D | P | | |
| 108 | Hexahydromethylphthalic anhydride | メチル-8-オキサビシクロ [4. 3. 0] ノナン-7, 9-ジオン | 25550-51-0 | D | D | | Reg. (EC) No1907/2006 (REACH Candidate List) |
| 109 | Hexamethyldisiloxane | ヘキサメチルジシロキサン | 107-46-0 | D | D | | Included in list of substances under REACH PACT assessment |
| 110 | 2-Hexyldecan-1-ol | 2-ヘキシル-1-デカノール | 2425-77-6 | D | D | | Included in list of substances under REACH PACT assessment |
| 111 | Hydrazine | ヒドrazilin | 302-01-2 | D | P | | Reg. (EC) No 1272/2008 |
| 112 | Hydrobromofluorocarbons (HBFC's), all members | ハイドロブロモフルオロカーボン(HBFC's)すべて | | P | P | | Reg. (EC) No 1005/2009; Montreal Protocol; US EPA Class 1 ODS |
| 113 | Hydrochlorofluorocarbons (HCFC's), all members | ハイドロクロロフルオロカーボン(HCFC's)すべて | | D/P | P | | Reg. (EC) No 1005/2009; Montreal Protocol; US EPA Class 2 ODS |
| 114 | Hydrofluorocarbons (HFC's), saturated, all members | ハイドロフルオロカーボン(HFC's)すべて | | D/P | P | | Kyoto Protocol |
| 115 | Indium tin oxide (ITO) | 酸化スズインジウム | 50926-11-9 | D | D | | Included in list of substances under REACH PACT assessment |
| 116 | 1,1'-(isopropylidene)bis[3,5-dibromo-4-(2,3-dibromopropoxy)benzene] | 2,2-ビス[3,5-ジブロモ-4-(2,3-ジブロモプロポキシ)フェニル]プロパン | 21850-44-2 | D | D | | Included in list of substances under REACH PACT assessment |
| 117 | 1,1'-(isopropylidene)bis[3,5-dibromo-4-(2,3-dibromo-2-methylpropoxy)benzene] | 1,1'-(1-メチルエチリデン)ビス[3,5-ジブロモ-4-(2,3-ジブロモ-2-メチルプロポキシ)フェニル] | 97416-84-7 | D | D | | Included in list of substances under REACH PACT assessment |
| 118 | Isodecyl diphenyl phosphate | りん酸8-メチルノルジフェニル | 29761-21-5 | D | D | | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |
| 119 | 4,4'-isopropylidenediphenol | 2,2-ビス(4-ヒドロキシフェニル)プロパン | 80-05-7 | D | D/P | 0.02* (Prohibit for thermal paper) | Reg. (EC) No 1907/2006 (REACH Candidate List) |
| 120 | Isopropylphenyl phosphate | トリイソプロピルフェニルリン酸エステル | 68937-41-7 | D | D/P | | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) TSCA Section 6(h) |
| 121 | Lead and its compounds, all members | 鉛およびその化合物すべて | | D/P | D/P | 0.1% for impurities, any intentionally introduced content must be reported | Dir. 2000/53/EC (ELV) Reg. (EC) No 1272/2008 Reg. (EC) No 552/2009 GB/T 30512 (ELV China) Included in list of substances under REACH PACT assessment Reg. (EC) No 1907/2006 (REACH) Application prohibited by EU-D 2011/65/EC (RoHS)(For general purpose product) |

Table1 GADSL list

- P#: Prohibited substance. However, Mitsuba may not require changeover of certain prohibited substances depending on type, customer, destination, and/or usage of products concerned.

| GADSL No. | Substance (物質名) | 物質名(和名) *ミツバ追記 | CAS-No. | Classification (管理区分) | Mitsuba's Classification (ミツバ管理区分) | Threshold (閾値) | Source (Legal requirements, regulations), specified condition (法的必要条件、法規定、特定条件) |
|-----------|---|---|-------------|-----------------------|------------------------------------|---|---|
| | | | | | | 0.01% | Application prohibited by national law of Denmark (For motorcycles) Dir. 2000/53/EC |
| 122 | Mercury and its compounds, all members | 水銀およびその化合物すべて | | D/P | P | 0.1% for impurities, any intentionally introduced content must be reported, 0% for motorcycle and general purpose product | Reg. (EC) No 1272/2008 Reg. (EC) No 552/2009 GB/T 30512 (ELV China) Domestic law of the countries which approved ratification of Minamata Convention such as Reg. (EU) 2017/852 and Japan domestic law (Act on Preventing Environmental Pollution of Mercury) |
| 123 | Methanol | メタノール | 67-56-1 | D/P | D/P | 0.1% (Prohibit for window washer fluid) | Norway, Sweden (SFS 1985:840; SFS 1986:8), Denmark, Finland South Korea Registration and Evaluation of Chemical Substance Act (New standards for washer fluid for vehicles) Reg. (EC) No 1907/2006 (REACH Candidate List and Annex XVII) |
| 124 | 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one | 2-[4-(メチルチオ)ベンゾイル]-2-(4-モルホリニル)プロパン。 | 71868-10-5 | D | D | | Included in list of substances under REACH PACT assessment |
| 125 | 4-Methylcyclohexyl-1,6-dicarboxylic acid anhydride | 4-メチルシクロヘキサン-1,2-ジカルボン酸無水物 | 19438-60-9 | D | D | | Reg. (EC) No 1907/2006 (REACH Candidate List) |
| 126 | 4,4'-methylenebisphenol | 4, 4'-ジヒドロキシジフェニルメタン | 620-92-8 | D | D | | Included in list of substances under REACH PACT assessment |
| 127 | Methyloxirane | プロピレンオキシド | 75-56-9 | D | D | | Reg. (EC) No 1907/2006 (REACH Candidate List) |
| 128 | 4,4'-(1-Methylpropylidene)bisphenol | 4, 4'- (ブタン-2, 2-ジイル) ジフェノール | 77-40-7 | D | D | | Included in list of substances under REACH PACT assessment |
| 129 | alpha-Methylstyrene | α-メチルスチレン | 98-83-9 | D | D | | California Proposition 65 |
| 130 | Mineral fibers (Natural or Synthetic), all members except: - Non-respirable fibers - Fibers with low biopersistence | 鉱物繊維(天然及び合成)、連続長繊維を除く | | D | D/P | Fibers or fibrils that: 1. exceed biopersistence limits (i.e. don't fall under Nota Q of Reg. (EC) No 1272/2008 (CLP) and, 2. are considered respirable (i.e. not continuous filament or not falling under Nota R of EU-D 1272/2008 (CLP) and, 3. have a fibre diameter of 3 microns or less, and a length of 5 micron or more, with a length:diameter ratio equal to or greater than 3:1 (WHO definition) | Reg. (EC) No 1907/2006, (REACH Candidate List), and Dir. 2009/425/EC, Reg. (EC) No 1272/2008: CLP. - Except fibers with length weighted geometric mean diameter less than standard errors > 6 micron (i.e. Continuous Filament Fibers) and with < 10 days half life in short time inhalation test or < 40 days half life in IT instillation test |
| 130-1 | Ceramic Fibers | リフラクトリーセラミックファイバー | 142844-00-6 | D | P | | |
| 131 | Miristakonium chloride; | ベンジルジメチルテトラデシルアンモニウムクロリド水和物 | 139-08-2 | D/P | D/P | Biocide usage: "-" | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |
| 132 | Molybdenum trioxide | 三酸化モリブデン | 1313-27-5 | D | D | | Included in list of substances under REACH PACT assessment |
| 133 | Monomethyldibromodiphenylmethane | モノメチルジブロモジフェニルメタン | 99688-47-8 | P | P | | Reg. (EC) No 552/2009 REACH Annex XVII |
| 134 | Monomethyldichlorodiphenylmethane | モノメチルジクロロジフェニルメタン | 81161-70-8 | P | P | | Reg. (EC) No 552/2009 REACH Annex XVII |
| 135 | Monomethyltetrachlorodiphenylmethane | モノメチルテトラクロロジフェニルメタン | 76253-60-6 | P | P | | Reg. (EC) No 552/2009 REACH Annex XVII |
| 136 | Naphthalenedisulfonic acid, dinonyl- | ジニルナフタレン酸 | 60223-95-2 | D | D | | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |
| 137 | Naphthalenesulfonic acid, dinonyl-, calcium salt (2:1) | カルシウム=ビス (ジニルナフタレンスルホナート) | 57855-77-3 | D | D | | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |
| 138 | Naphthalenesulfonic acid, dinonyl- | ジニルナフタレンスルホン酸 | 25322-17-2 | D | D | | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |
| 139 | 2-Naphthylamine and its salts, all members | 2-ナフチルアミンおよびその塩すべて | | P | P | 0.01% | Reg. (EC) No 1272/2008, carcinogen class 2 Reg. (EC) No 552/2009 Reg. (EU) No 2018/1513 (REACH) |
| 140 | N-1-naphthylaniiline | N-フェニル-1-ナフチルアミン | 90-30-2 | D | D | | Included in list of substances under REACH PACT assessment |
| 141 | Nickel and its compounds, all members | ニッケルおよびその化合物すべて | | D/P | D/P | Calculated according to 4.3.1 of the GADSL guidance document. | Reg. (EC) No 552/2009 |
| 141-1 | Chromic acid (H2Cr2O7), nickel(2+) salt (1:1) | 重クロム酸ニッケルの塩 | 15586-38-6 | D/P | P | | |
| 141-2 | Chromium nickel oxide (Cr2NiO4) | 酸化クロムニッケル | 12018-18-7 | D | D/P | 0.5 µg/cm ² /week | |
| 141-3 | Nickel arsenide (NiAs) | アルシニウムニッケル(III) | 27016-75-7 | D | D/P | 0.5 µg/cm ² /week | |
| 141-4 | Nickel chromate | ニッケルクロメート | 14721-18-7 | D/P | P | | |
| 141-5 | Nickel diarsenide | 二ヒ化ニッケル | 12068-61-0 | D | D/P | 0.5 µg/cm ² /week | |
| 141-6 | Nickel, [6,8,16,18-tetrachloro-1,11-bis(2-furanylmethyl)-1,10,11,20-tetrahydrodibenzof[c,j]dipyrzolo[3,4-f:3',4'-m][1,2,5,8,9,12]hexaazacyclotetradecinato(2-)-N5,N10,N15,N20]- | [6,8,16,18-テトラクロロ-1,11-ビス(2-フルニルメチル)-1,10,11,20-テトラヒドロジベンゾ[ジ]ピラゾロ[3,4-f:3',4'-m][1,2,5,8,9,12]ヘキサアザシクロテトラデセン酸(2-)-N5,N10,N15,N20]ニッケル | 79745-01-0 | D | D/P | 0.5 µg/cm ² /week | |
| 141-7 | Rammelsbergite (NiAs2) | ヒ化ニッケル(NiAs2) | 1303-22-6 | D | D/P | 0.5 µg/cm ² /week | |
| 141-8 | Spinels, cobalt nickel zinc grey | 尖晶石 (コバルトニッケル亜鉛グレー) | 95046-47-2 | D | D/P | | |
| 141-9 | Trinickel bis(arsenate) | ニヒ酸三ニッケル | 13477-70-8 | D | D/P | 0.5 µg/cm ² /week | |
| 141-10 | Residues, copper-iron-lead-nickel matte, sulfuric acid-insol. | 銅、鉄、鉛マット(かわ)の残渣の非水溶性亜硫酸化合物 | 102110-49-6 | D/P | P | | |
| 141-11 | Silicic acid, lead nickel salt | ケイ酸鉛ニッケル塩 | 68130-19-8 | D/P | P | | |
| 142 | Nitrites, all members | 亜硝酸塩全て | | D/P | D/P | | Reg. (EC) No 1272/2008 |
| 143 | 4-Nitrobiphenyl and its salts, all members | 4-ニトロビフェニル及びその塩 | | P | P | | Reg. (EC) No 1272/2008, carcinogen class 2 Reg. (EC) No 552/2009 |
| 144 | Nitrocellulose | ニトロセルロース | 9004-70-0 | D | D | | Reg. (EC) No 1272/2008 Dir. 2007/23/EC |

Table1 GADSL list

- P#: Prohibited substance. However, Mitsubishi may not require changeover of certain prohibited substances depending on type, customer, destination, and/or usage of products concerned.

| GADSL No. | Substance (物質名) | 物質名(和名) *ミツバ追記 | CAS-No. | Classification (管理区分) | Mitsuba's Classification (ミツバ管理区分) | Threshold (閾値) | Source (Legal requirements, regulations), specified condition (法的必要条件、法規定、特定条件) |
|-----------|---|--|-------------------|-----------------------|------------------------------------|---|---|
| 145 | N-Nitrosamines, selected | N-ニトロソアミン、抜粋 | | D/P | D/P | | legally regulated according to German TRGS 552 limit for workplace air (value 1 µg/m ³), TRGS 615 limit for volatile corrosion inhibitors and TRGS 905 classified as carcinogenic class 1. Legally regulated for corrosion inhibition in papers, plastic films and oils via limiting the corresponding sec. amines to 0.5 %. |
| 145-1 | N-Nitroso diethanol amine | N-ニトロソジエタノールアミン | 1116-54-7 | D | P | | |
| 145-2 | N-Nitrosodi-n-propyl amine | ジプロピルニトロソアミン | 621-64-7 | D | P | | |
| 146 | 4-Nonylphenol, branched and linear, all members | ノニルフェノール | | D | P# | | Reg. (EC) No 1272/2008 Reg. (EC) No 552/2009 Reg. (EC) No 1907/2006 (REACH Candidate List) |
| 147 | Nonylphenol | ノニルフェノール | 25154-52-3 | D | D | | Reg. (EC) No 1907/2006 (REACH Candidate List) |
| 148 | 4-Nonylphenol, branched and linear, ethoxylated, all members | ノニルフェノールエトキシレートすべて | | D | P# | | Reg. (EC) No 1907/2006 (REACH Annex XIV) |
| 149 | O,O,O-triphenyl phosphorothioate | トリアフェニルホスホロチオエート | 597-82-0 | D | D | | Included in list of substances under REACH PACT assessment |
| 150 | Octadecanamine | ステアリアルアミン | 124-30-1 | D | D | | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |
| 151 | Octamethylcyclotetrasiloxane | 2, 2, 4, 4, 6, 6, 8, 8 - オクタメチルシクロテトラシロキサン | 556-67-2 | D | D | | Reg. (EC) No 1907/2006 (REACH Candidate List) |
| 152 | Octamethyltrisiloxane | オクタメチルトリシロキサン | 107-51-7 | D | D | | Included in list of substances under REACH PACT assessment |
| 153 | Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol | - | | D | D | | Included in list of substances under REACH PACT assessment |
| 154 | Ozone depleting halogenated Hydrocarbons and Carbons, all members | オゾン破壊性の炭化水素及び炭素すべて | | P | P | | Reg. (EEC) No 594/91; Reg. (EC) No 1005/2009; Montreal Protocol; US EPA Class 1 ODS |
| 155 | Pentachlorobenzene | ペンタクロロベンゼン | 608-93-5 | P | P | Any intentionally added content | Prohibition of Certain Toxic Substances Regulations, 2005 (SOR/SOR/2005-41. Published in Canada Gazette Part II, 2006-11-29 Vol. 140, No. 24 |
| 156 | Pentachlorophenol (PCP) and its salts and esters, all members | ペンタクロロフェノール(PCP)およびその塩すべて | | P | P | 5ppm | Reg. (EC) No 1272/2008 Reg. (EC) No 552/2009 Japan Chemical Substance Control Law [Class I] California Assembly Bill No. 826 - Perchlorate Contamination Prevention Act; implemented July 1, 2006. http://www.dtsc.ca.gov/HazardousWaste/Perchlorate/ |
| 157 | Perchlorates, all members | 過塩素酸塩すべて | | D/P | D/P | | |
| 157-1 | Lead perchlorate | ビス過塩素酸鉛(II) | 13637-76-8 | D/P | P | | |
| 157-2 | Lithium Perchlorate | 過塩素酸リチウム | 7791-03-9 | D | D/P | | |
| 157-3 | Magnesium Perchlorate | 二過塩素酸マグネシウム | 10034-81-8 | D | D/P | | |
| 157-4 | Perchloric acid, reaction products with lead oxide (pbo) and triethanolamine | - | 99749-31-2 | D/P | P | | |
| 157-5 | Perchloric acid, mercury(2+) salt | 二過塩素酸水銀(II) | 7616-83-3 | D/P | P | | |
| 157-6 | Potassium Perchlorate | 過塩素酸カリウム | 7778-74-7 | D | D/P | | |
| 157-7 | Sodium Perchlorate | 過塩素酸ナトリウム | 7601-89-0 | D | D/P | | |
| 157-8 | Thallium(3+) perchlorate | 三過塩素酸タリウム(III) | 15596-83-5 | D | D/P | | |
| 158 | Per and Poly- fluoroalkyl substances (PFAS), as identified in rows 159 to 176. | - | - | - | - | | |
| 159 | Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts, all members | - | - | D | P | | Reg. (EC) No 1907/2006 (REACH Candidate List) |
| 160 | Perfluorobutane sulfonic acid (PFBS) and its salts, all | パーフルオロブタンルスルホン酸 (PFBS) とその塩、すべてのメンバー | - | D | D | | Reg. (EC) No 1907/2006 (REACH Candidate List) |
| 161 | PFNA, Perfluorononan-1-oic acid and its sodium and ammonium salts | - | - | D | D/P | | Substance group was added to REACH Candidate List in December 2015 --> immediate duty for reporting Reg. (EC) No 1907/2006 (REACH Candidate List) |
| 162 | PFHxA, Undecafluorohexanoic acid, its salts and PFHxA related substances, identified in rows 163 to 164. | - | - | - | - | | |
| 163 | PFHxA and its salts | PFHxAとその塩 | - | D | D | 25 ppb, except for fluoropolymers 500 ppm in fluoropolymers | Substances listed are proposed for REACH Annex XVII Restriction. |
| 164 | PFHxA related substances | PFHxA関連物質 | - | D | D | 1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers | Substances listed are proposed for REACH Annex XVII Restriction. |
| 165 | PFOA, perfluorooctanoic acid, its salts and PFOA related compounds, identified in rows 166 to 168. | - | - | P | P# | For Norway P at 1µg/m² in textiles, carpets and coated products; Reg. (EC) No 2019/1021 and 2020/784: 0,025 mg/kg for PFOA including its salts, 1 mg/kg for the individual PFOA-related compounds or a combination of those compounds (with special exemption for PTFE micropowders). | Regulation (EC) No 2019/1021 (EU POP Regulation) and 2020/784; Regulation in USA (TSCA Section 5(a), SNUR); Canada (CEPA 1999, Prohibition of Certain Toxic Substances Regulations, 2012 (SOR/2012-285) – prohibited since 01.01.2017; Norway (FOR-2004-06-01-922); Stockholm Convention of Persistent Organic Pollutants (POP). South Korea Enforcement Rule of the Persistent Organic Pollutants Control Act |
| 166 | PFOA and its salts | PFOAとその塩 | - | P | P | 25ppb | (EU) 2020/784 |
| 167 | PFOA Related Compounds | PFOA関連物質 | - | P | P | 1,000 ppb | (EU) 2020/784 |
| 168 | Other PFOA Related Compounds | その他のPFOA関連物質 | - | P | P | 1,000 ppb | (EU) 2020/784 |

Table1 GADSL list

- P#: Prohibited substance. However, Mitsuba may not require changeover of certain prohibited substances depending on type, customer, destination, and/or usage of products concerned.

| GADSL No. | Substance (物質名) | 物質名(和名) *ミツバ追記 | CAS-No. | Classification (管理区分) | Mitsuba's Classification (ミツバ管理区分) | Threshold (閾値) | Source (Legal requirements, regulations), specified condition (法の必要条件、法規定、特定条件) |
|-----------|--|--|------------|-----------------------|------------------------------------|--|---|
| 169 | PFCAs (C9-C14). Linear and branched perfluorocarboxylic acids containing 9 to 14 carbon atoms in the chain, their salts and related substances, identified in rows 170 to 171. | = | = | = | = | Please see REACH Annex XVII Restriction No.68 for details on exemptions. | |
| 170 | PFCAs (C9-C14) and their salts | PFCAs(C9-C14)とその塩 | = | D | D/P | 25 ppb | (EU) 2021/1297 |
| 171 | PFCAs (C9-C14) related substances | PFCAs(C9-C14)関連物質 | = | D | P | 260 ppb | (EU) 2021/1297 |
| 172 | PFOS, Perfluorooctane sulfonates C8F17SO2X (X = OH, Metal salt, halide, amide, and other derivatives including polymers), all members | PFOS、パーフルオロオクタンスルホン酸塩 C8F17SO2X (X = OH, 金属、ハロゲン、アミド、その他(ポリマーを含む)(全て)) | = | P | P | | Reg. (EC) No 552/2009, Dir. 2006/12/EC Canadian Environmental Protection Act, 1999 - Regulations Amending the Prohibition of Certain Toxic Substances Regulations, 2012 US EPA - SNUR: § 721.9582 Certain perfluoroalkyl sulfonates Stockholm Convention, Annex B Japan Chemical Substances Control Law [Class I] South Korea Enforcement Rule of the Persistent Organic Pollutants Control Act |
| 173 | PFHxS, Perfluorohexane-1-sulphonic acid and its salts and PFHxS Related Substances, identified in rows 174 to 175. | = | = | = | = | | |
| 174 | PFHxS and its salts | PFHxSとその塩 | = | D | P | | Stockholm Convention of Persistent Organic Pollutants (POP) - Listed substances proposed for annex A (Elimination) |
| 175 | PFHxS related substances | PFHxS関連物質 | = | D | D/P | | Stockholm Convention of Persistent Organic Pollutants (POP) - Listed substances proposed for annex A (Elimination) |
| 176 | Other PFAS Substances (Includes substances taken from a series of government regulatory lists and compared to (major market) country inventories to obtain a list of commercially available PFAS substances not listed in other PFAS substance groups) | その他のPFAS | = | D | D | Intentionally added including degradation byproducts | The US state of Maine (on July 15, 2021) requires PFAS reporting starting January 1, 2023, and the banning of PFAS starting January 1, 2030. OECD/UNEP Global Perfluorinated Chemicals (PFC) Group. |
| 177 | Phenol | フェノール | 108-95-2 | D | D | | Reg. (EC) No 1272/2008 |
| 178 | Phenol, 2,4-bis(1,1-dimethylethyl)- | 2,4-ジ-tert-ブチルフェノール | 96-76-4 | D | D | | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |
| 179 | Phenol, 2,6-bis(1,1-dimethylethyl)- | 2,6-ジ-tert-ブチルフェノール | 128-39-2 | D | D | | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |
| 180 | Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylethyl)- (UV) | 2-(2H-ベンゾトリアゾール-2-イル)-4,6-ジ-tert-ブチルフェノール | 3846-71-7 | P | P | | Reg. (EC) No 1907/2006 (REACH Annex XIV) |
| 181 | Phenol, 2-(2H-Benzotriazol-2-yl)-4,6-bis(1-methyl-1-phenylethyl)- (UV-234) | 2-[2-ヒドロキシ-3,5-ビス(α,α-ジメチルベンジル)フェニル]-2H-ベンゾトリアゾール | 70321-86-7 | D | D | | Included in list of substances under REACH PACT assessment Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |
| 182 | Phenol, 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)- (UV 329) | 2-(2-ヒドロキシ-5-tert-オクチルフェニル)ベンゾトリアゾール | 3147-75-9 | D | D | | Included in list of substances under REACH PACT assessment. Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020). |
| 183 | Phenol, 2-(2H-benzotriazol-2-yl)-4-(1,1-dimethylethyl)-6-(1-methylpropyl)- (UV 350) | 2-(2H-ベンゾトリアゾール-2-イル)-4-(1,1-ジメチルエチル)-6-(1-メチルプロピル)フェノール (UV350) | 36437-37-3 | D | P | | Reg. (EC) No 1907/2006 (REACH Annex XIV) |
| 184 | Phenol, 2-(5-chloro-2H-benzotriazol-2-yl)-4,6-bis(1,1'-dimethylethyl)- (UV 327) | 2-(3,5-ジ-tert-ブチル-2-ヒドロキシフェニル)-5-クロロベンゾトリアゾール(UV327) | 3864-99-1 | D | P | Any intentionally added content must be reported | Reg. (EC) No 1907/2006 (REACH Annex XIV) |
| 185 | Phenol, 4-methyl-, reaction products with dicyclopentadiene and isobutylene | 4-メチルフェノールとジシクロペンタジエン及びイソブチレンとの反応生成物 | 68610-51-5 | D | D | | Included in list of substances under REACH PACT assessment |
| 186 | Phenol, 4,4',4''-(1-methyl-1-propenyl-3-ylidene)tris[2-(1,1-dimethylethyl)-5-methyl- | 1,1,3-トリス(2-メチル-4-ヒドロキシ-5-tert-ブチルフェニル)ブタン | 1843-03-4 | D | D | | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |
| 187 | Phenol, 4,4'-methylenebis[2,6-bis(1,1-dimethylethyl)- | 4,4'-メチレンビス(2,6-ジ-tert-ブチルフェノール) | 118-82-1 | D | D | | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |
| 188 | Phenol, styrenated | スチレン化フェノール | 61788-44-1 | D | D | | Included in list of substances under REACH PACT assessment |
| 189 | Phenol, 4-(1,1,3,3-tetramethylbutyl)- | 4-(1,1,3,3-テトラメチルブチル)フェノール | 140-66-9 | D | D | | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) Reg. (EC) No 1907/2006 (REACH Candidate List) |
| 190 | 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated, selected | - | | D | P | | Reg. (EC) No 1907/2006 (REACH Annex XIV) |
| 190-1 | alpha-(p-(1,1,3,3-tetramethylbutyl)phenyl))-omega-hydroxy poly(oxyethylene) | オクチルフェノールエトキシレート | 9036-19-5 | D | D/P | 0.01 or Not intentionally added | Reg. (EC) No 1907/2006 (REACH Annex XIV) |
| 191 | Phenol, 2-(1-methylpropyl)-4,6-dinitro- | 2-(1-メチルプロピル)-4,6-ジニトロフェノール | 88-85-7 | D | P | | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |
| 192 | Phenol, 2,4,6-tris(1,1-dimethylethyl)- | 2,4,6-トリス(1,1-ジメチルエチル)-フェノール | 732-26-3 | D/P | P | | Japan Chemical Substance Control Law [Class I] |
| 193 | Phenylendiamines and its salts, selected | フェニレンジアミンおよびその塩、抜粋 | | D | D | | Reg. (EC) No 1272/2008 Reg. (EC) No 552/2009 |
| 194 | Phenyl Glycidyl Ether | グリシジルフェニルエーテル | 122-60-1 | D | D | | California Proposition 65 |
| 195 | Phosphoric acid, bis[(1,1-dimethylethyl)phenyl] phenyl ester | ビス(t-ブチルフェニル)フェニルホスフェート | 65652-41-7 | D | D | | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |

Table1 GADSL list

- P#: Prohibited substance. However, Mitsuba may not require changeover of certain prohibited substances depending on type, customer, destination, and/or usage of products concerned.

| GADSL No. | Substance (物質名) | 物質名(和名) *ミツバ追記 | CAS-No. | Classification (管理区分) | Mitsuba's Classification (ミツバ管理区分) | Threshold (閾値) | Source (Legal requirements, regulations), specified condition (法的必要条件、法規定、特定条件) |
|-----------|---|---|-------------|-----------------------|------------------------------------|---------------------------------|---|
| 196 | Phosphoric acid, (1,1-dimethylethyl)phenyl diphenyl ester | リン酸ジフェニール-4-tert-ブチルフェニル | 56803-37-3 | D | D | | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |
| 197 | Phosphoric acid, tris(2-methylphenyl) ester | リン酸トリクレジル | 78-30-8 | D | D | | Reg. (EC) No 1272/2008, toxic and dangerous for the environment |
| 198 | Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-propyl) esters, zinc salts | ジアルキルジチオリン酸亜鉛 | 84605-29-8 | D | D | | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |
| 199 | Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-butyl and iso-propyl) esters, zinc salts | - | 85940-28-9 | D | D | | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |
| 200 | Phosphorodithioic acid, mixed O,O-bis(iso-butyl and pentyl) esters, zinc salts | ジアルキル ジチオリン酸亜鉛 | 68457-79-4 | D | D | | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |
| 201 | Phosphorodithioic acid, mixed O,O-bis(sec-butyl and isoctyl) esters, zinc salts | アルキル ジチオフォスフェート亜鉛 | 113706-15-3 | D | D | | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |
| 202 | Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts | ジシクロジチオフォスフェート | 68649-42-3 | D | D | | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |
| 203 | Phthalates, selected | フタル酸類、抜粋 | | D/P | D/P | | Reg. (EC) No 552/2009 Reg. (EC) No 1907/2006 (REACH) US EPA Chemical Action Plan. http://www.epa.gov/oppt/existingchemicals/pubs/actionplans/phthalates.html Reg.(EU) No 2018/1513 (REACH) |
| 203-1 | 1,2-Benzenedicarboxylic acid; di-C6-8-branched alkylesters, C7-rich | 1,2-ベンゼンジカルボン酸、炭素数7の側鎖炭化水素を主成分とする炭素数6~8のフタル酸エステル類 | 71888-89-6 | D/P | P | 0.01 or Not intentionally added | Reg. (EC) No 1907/2006 (REACH Annex XIV) Reg.(EU) No 2018/1513 (REACH) |
| 203-2 | Bis(2-methoxyethyl) phthalate (1,2-Benzenedicarboxylic acid, 1,2-bis(2-methoxyethyl) ester) | フタル酸ビス(2-メトキシエチル) | 117-82-8 | D/P | P | 0.01 or Not intentionally added | Reg. (EC) No 1907/2006 (REACH Annex XIV) Reg.(EU) No 2018/1513 (REACH) |
| 203-3 | Benzyl butyl phthalate (BBP) (1,2-Benzenedicarboxylic acid, 1-butyl 2-(phenylmethyl) ester) | フタル酸ブチルベンジル(BBP) | 85-68-7 | D/P | P# | 0.01 or Not intentionally added | Reg. (EC) No 1907/2006 (REACH Annex XIV) |
| 203-4 | Di(2-ethylhexyl)phthalate (DEHP) (1,2-Benzenedicarboxylic acid, 1,2-bis(2-ethylhexyl) ester) | フタル酸ビス(2-エチルヘキシル)(DEHP) | 117-81-7 | D/P | P# | 0.01 or Not intentionally added | -2輪・汎用向: 2020年7月7日以降禁止 4輪車向: 2022年7月7日以降禁止 |
| 203-5 | Dibutylphthalate (DBP) (1,2-Benzenedicarboxylic acid, 1,2-dibutyl ester) | フタル酸ジブチル(DBP) | 84-74-2 | D/P | P# | 0.01 or Not intentionally added | - For motorcycles and general purpose products : No use for parts after 2020/7/7 |
| 203-6 | Diisobutylphthalate (DiBP) (1,2-Benzenedicarboxylic acid, 1,2-bis(2-methylpropyl) ester) | フタル酸ジイソブチル(DiBP) | 84-69-5 | D/P | P | 0.01 or Not intentionally added | - For four-wheel vehicles : No use for parts after 2022/7/7 |
| 203-7 | Heptyl undecyl phthalate (1,2-Benzenedicarboxylic acid di-C7-11-branched and linear alkylesters) | 1,2-ベンゼンジカルボン酸、炭素数7~11の分岐および直鎖アルキルエステル類 | 68515-42-4 | D | P | 0.01 or Not intentionally added | Reg. (EC) No 1907/2006 (REACH Candidate List) |
| 203-8 | 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear | - | 84777-06-0 | D | P | 0.01 or Not intentionally added | REACH Annex XIV REACH Annex XVII Reg. (EC) No 1272/2008 |
| 203-9 | 1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters | - | 68515-51-5 | D | P | 0.01 or Not intentionally added | |
| 203-10 | 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate | ビス[アルキル(C=6,8,10)]=フタラートの混合物 | 68648-93-1 | D | P | 0.01 or Not intentionally added | |
| 203-11 | Dihexyl phthalate | フタル酸ジヘキシル | 84-75-3 | D/P | P | 0.01 or Not intentionally added | REACH Annex XIV recommendation REACH Annex XVII Reg. (EC) No 1272/2008 |
| 203-12 | Diisopentylphthalate (DIPP) (1,2-Benzenedicarboxylic acid, 1,2-bis(3-methylbutyl) ester) | フタル酸ジイソアミル | 605-50-5 | D/P | P | 0.01 or Not intentionally added | REACH Annex XIV recommendation REACH Annex XVII Reg. (EC) No 1272/2008 |
| 203-13 | Dipentylphthalate (1,2-Benzenedicarboxylic acid, 1,2-dipentyl ester) | フタル酸ジペンチル | 131-18-0 | D/P | P | 0.01 or Not intentionally added | REACH Annex XIV recommendation REACH Annex XVII Reg. (EC) No 1272/2008 |
| 204 | Pitch, coal tar, high temp. | - | 65996-93-2 | D/P | P | 0.01 or Not intentionally added | Reg. (EC) No 1907/2006 (REACH Annex XIV) |
| 205 | Polyamine Curing Agents, selected | ポリアミン硬化剤、抜粋 | | D | D | | Not currently regulated but releasable hexamines are relevant to vehicle interior air quality |
| 206 | Polybrominated biphenyls (PBB), all members | ポリ臭化ビフェニル(PBB)すべて | | P | P | | Reg. (EC) No 552/2009 GB/T 30512 (ELV China) |
| 207 | Polybrominated diphenyl ethers (PBDE), all members | ポリ臭化ジフェニルエーテル(PBDE)すべて | | D/P | P | | Reg. (EC) No 552/2009 Reg. (EC) No 1907/2006 (REACH) Japan Chemical Substances Control Law [Class I] GB/T 30512 (ELV China) Canada (SOR/2008-218) Reg. (EU) 2019/1021 |
| 207-1 | Decabromodiphenyl ether ('Deca'; Decabromodiphenyl oxide) (Benzene, 1,1'-oxybis[2,3,4,5,6-pentabromo-]) | デカブロモジフェニルエーテル | 1163-19-5 | D/P | P# | | Dec 2013 voluntary phase out US EPA. P by July 2015 in D.C. Reg. (EC) No 1907/2006 (REACH Candidate List and Annex XVII). |
| 208 | Polybrominated terphenyls (PBT), all members | ポリ臭化ターフェニル(PBT)すべて | | D | P | | |
| 209 | Polychlorinated biphenyls (PCB), all members | ポリ塩化ビフェニル(PCB) | | P | P | | Reg. (EC) No 552/2009; 40 CFR §761.20; Japan Chemical Substance Control Law [Class I]; CEPA 1999 (SOR/2008-273) |
| 210 | Polychlorinated naphthalenes, all members | ポリ塩化ナフタレンすべて | | P | P | | Canadian Prohibition of Certain Toxic Substances Regulations, 2012 amended to prohibit the use, manufacture, import, sale and offer for sale any PCN effective January 1, 2013. Japan Chemical Substance Control Law [Class I] |
| 211 | Polychlorinated terphenyls (PCT), all members | ポリ塩化ターフェニル(PCT)すべて | | P | P | | Reg. (EC) No 1907/2006 (REACH Annex XVII) |

Table1 GADSL list

- P#: Prohibited substance. However, Mitsubishi may not require changeover of certain prohibited substances depending on type, customer, destination, and/or usage of products concerned.

| GADSL No. | Substance (物質名) | 物質名(和名) *ミツバ追記 | CAS-No. | Classification (管理区分) | Mitsuba's Classification (ミツバ管理区分) | Threshold (閾値) | Source (Legal requirements, regulations), specified condition (法的必要条件、法規定、特定条件) |
|--------------|--|-----------------------|----------|-----------------------|------------------------------------|---|---|
| 212 | Polycyclic aromatic hydrocarbons (PAH; PCAH), selected | 多環芳香族炭化水素 (PAH; PCAH) | | D/P | D/P | Extender oils used in tyre manufacturing process < 10 mg/kg of 8 REACH PAH or, polycyclic aromatics (PCA) < 3 % (w/w) tested with EN 16143:2013 in extender oils or in vulcanised rubber compounds < 0,35 % Bay protons tested with ISO 21461. Rubber and plastic article in contact with skin < 1 mg/kg for any of the 8 REACH PAH. textiles other than clothing in contact with skin. | Reg. (EC) No 1907/2006 (REACH) Reg. (EC) No 552/2009; Reg. (EC) No 1272/2008; General Administration of Quality Supervision, Inspection and Quarantine (AQSIQ) of the People's Republic of China |
| 212-1 | Anthracene | アントラセン | 120-12-7 | D | P | | Reg. (EC) No 1907/2006 (REACH Candidate List) |
| 212-2 | Benz[a]anthracene | ベンゾ[a]アントラセン | 56-55-3 | D/P | P | Shall not be placed on the market textiles other than clothing which, under normal or reasonably foreseeable conditions of use, come into contact with human skin to an extent similar to clothing. (Concentration limit by weight 0.0001%) | Reg. (EC) No 1907/2006 (REACH Candidate List and Annex XVII) Reg.(EU) No 2018/1513 (REACH) |
| 212-3 | Benz[e]acephenanthrylene | ベンゾ[b]フルオランテン | 205-99-2 | D/P | P | Shall not be placed on the market textiles other than clothing which, under normal or reasonably foreseeable conditions of use, come into contact with human skin to an extent similar to clothing. (Concentration limit by weight 0.0001%) | Reg. (EC) No 1907/2006 (REACH Annex XVII) Reg.(EU) No 2018/1513 (REACH) |
| 212-4 | Benzo[a]pyrene | 3,4-ベンゾピレン | 50-32-8 | D/P | P | Shall not be placed on the market textiles other than clothing which, under normal or reasonably foreseeable conditions of use, come into contact with human skin to an extent similar to clothing. (Concentration limit by weight 0.0001%) | Reg. (EC) No 1907/2006 (REACH Candidate List and Annex XVII) Reg.(EU) No 2018/1513 (REACH) |
| 212-5 | Benzo[e]pyrene | ベンゾ[e]ピレン | 192-97-2 | D/P | P | Shall not be placed on the market textiles other than clothing which, under normal or reasonably foreseeable conditions of use, come into contact with human skin to an extent similar to clothing. (Concentration limit by weight 0.0001%) | Reg. (EC) No 1907/2006 (REACH Annex XVII) Reg.(EU) No 2018/1513 (REACH) |
| 212-6 | Benzo[ghi]perylene | ベンゾ[ghi]ペリレン | 191-24-2 | D | P | | Reg. (EC) No 1907/2006 (REACH Candidate List) |
| 212-7 | Benzo[j]fluoranthene | ベンゾ[j]フルオランテン | 205-82-3 | D/P | P | Shall not be placed on the market textiles other than clothing which, under normal or reasonably foreseeable conditions of use, come into contact with human skin to an extent similar to clothing. (Concentration limit by weight 0.0001%) | Reg. (EC) No 1907/2006 (REACH Annex XVII) Reg.(EU) No 2018/1513 (REACH) |
| 212-8 | Benzo[k]fluoranthene | ベンゾ[k]フルオランテン | 207-08-9 | D/P | P | Shall not be placed on the market textiles other than clothing which, under normal or reasonably foreseeable conditions of use, come into contact with human skin to an extent similar to clothing. (Concentration limit by weight 0.0001%) | Reg. (EC) No 1907/2006 (REACH Candidate List and Annex XVII) Reg.(EU) No 2018/1513 (REACH) |

Table1 GADSL list

- P#: Prohibited substance. However, Mitsuba may not require changeover of certain prohibited substances depending on type, customer, destination, and/or usage of products concerned.

| GADSL No. | Substance (物質名) | 物質名(和名) *ミツバ追記 | CAS-No. | Classification (管理区分) | Mitsuba's Classification (ミツバ管理区分) | Threshold (閾値) | Source (Legal requirements, regulations), specified condition (法的必要条件、法規定、特定条件) |
|---------------|---|--|-------------|-----------------------|------------------------------------|--|---|
| <u>212-9</u> | Chrysene | 1, 2-ベンゾフェナントレン | 218-01-9 | D/P | P | Shall not be placed on the market textiles other than clothing which, under normal or reasonably foreseeable conditions of use, come into contact with human skin to an extent similar to clothing. (Concentration limit by weight 0.0001%) | Reg. (EC) No 1907/2006 (REACH Candidate List and Annex XVII) Reg.(EU) No 2018/1513 (REACH) |
| <u>212-10</u> | Dibenz[a,h]anthracene | ジベンゾ[a,h]アントラセン | 53-70-3 | D/P | P | Shall not be placed on the market textiles other than clothing which, under normal or reasonably foreseeable conditions of use, come into contact with human skin to an extent similar to clothing. (Concentration limit by weight 0.0001%) | Reg. (EC) No 1907/2006 (REACH Annex XVII) Reg.(EU) No 2018/1513 (REACH) |
| <u>212-11</u> | Phenanthrene | フェナントレン | 85-01-8 | D | P | | Reg. (EC) No 1907/2006 (REACH Candidate List) GB/T 30512 (ELV China) |
| <u>212-12</u> | Pyrene | ピレン | 129-00-0 | D | P | | Reg. (EC) No 1907/2006 (REACH Candidate List) GB/T 30512 (ELV China) |
| <u>213</u> | 1,3-Propanesultone | 1,3-プロパンスルトン | 1120-71-4 | D | P | | Reg. (EC) No 1907/2006 (REACH Candidate List) |
| <u>214</u> | 2-Propanone, reaction products with diphenylamine (PREPOD) | ジフェニルアミンとアセトンの反応物 | 68412-48-6 | D | D | | October 15, 2011 the Canadian government declared PREPOD as Toxic. They are proposing to ban the use of this substance. |
| <u>215</u> | Pyrrolidones, selected | ピロリドン, 抜粋 | | D/P | D/P | | Reg.(EU) No 2018/1513 (REACH) |
| <u>216</u> | Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides; Alkyl (C12-16) dimethylbenzyl ammonium chloride; C12-16-ADBAC; | アルキル (C 1 2 ~ 1 6) ジメチルベンジルアンモニウムクロライド | 68424-85-1 | <u>D/P</u> | D/P | Biocide usage: "-" | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |
| <u>217</u> | Quaternary ammonium compounds, benzyl(hydrogenated tallow alkyl)dimethyl, chlorides, compds. with bentonite | - | 71011-24-0 | D | D | | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |
| <u>218</u> | Quaternary ammonium compounds, benzyl(hydrogenated tallow alkyl)dimethyl, chlorides, compds. with hectorite | - | 71011-26-2 | D | D | | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |
| <u>219</u> | Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl, chlorides; | ビスジメチルアンモニウムクロリド | 61789-80-8 | <u>D/P</u> | D/P | Biocide usage: "-" | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |
| <u>220</u> | Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl, salts with | クオタニウム-18-ベントナイト | 68953-58-2 | D | D | | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |
| <u>221</u> | Quaternary ammonium compounds, dicoco alkyldimethyl, chlorides | 塩化ジアルキルジメチルアンモニウム | 61789-77-3 | <u>D/P</u> | D/P | Biocide usage: "-" | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |
| <u>222</u> | Resin acids and Rosin acids, calcium salts | 樹脂酸カルシウム | 9007-13-0 | D | D | | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |
| <u>223</u> | Resin acids and Rosin acids, sodium salts | 樹脂酸ナトリウム | 61790-51-0 | D | D | | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |
| <u>224</u> | Resin acids and Rosin acids, hydrogenated, esters with pentaerythritol | 水添樹脂酸ヘンタエリスリチル | 64365-17-9 | D | D | | Included in list of substances under REACH PACT assessment |
| <u>225</u> | Resin acids and Rosin acids, hydrogenated, esters with glycerol | 水添樹脂酸エステルグリコール | 65997-13-9 | D | D | | Included in list of substances under REACH PACT assessment |
| <u>226</u> | Resin acids and Rosin acids, hydrogenated, methyl esters | 水添樹脂酸メチルエステル | 8050-15-5 | D | D | | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |
| <u>227</u> | Radioactive substances (including scrap metal contaminants), all members | 放射性物質(スクラップ金属のコンタミを含む)すべて | | D | D | | 2013/59/EURATOM |
| <u>228</u> | Selenium and its compounds, all members | セレンおよびその化合物すべて | | D/P | D/P | Calculated according to 4.3.1 of the GADSL guidance document. | Japan Waste Management and Public Cleansing Law |
| <u>228-1</u> | Cadmium selenide (CdSe) | セレン化カドミウム | 1306-24-7 | D/P | P | 0.01* (0,002% for portable batteries) | |
| <u>228-2</u> | Cadmium selenide (CdSe), solid solution with cadmium sulfide, zinc selenide and zinc sulfide, aluminum and copper-doped | セレン化カドミウム(CdSe)・硫化カドミウム・セレン化亜鉛・硫化亜鉛の固溶体アルミニウムと銅添加物 | 101357-00-0 | D/P | P | 0.01* (0,002% for portable batteries) | |
| <u>228-3</u> | Cadmium selenide (CdSe), solid solution with cadmium sulfide, zinc selenide and zinc sulfide, copper and manganese-doped | セレン化カドミウム(CdSe)・硫化カドミウム・セレン化亜鉛・硫化亜鉛の固溶体マンガンと銅添加物 | 101357-01-1 | D/P | P | 0.01* (0,002% for portable batteries) | |
| <u>228-4</u> | Cadmium selenide (CdSe), solid solution with cadmium sulfide, zinc selenide and zinc sulfide, europium-doped | セレン化カドミウム(CdSe)・硫化カドミウム・セレン化亜鉛・硫化亜鉛の固溶体ユーロピウム添加物 | 101357-02-2 | D/P | P | 0.01* (0,002% for portable batteries) | |
| <u>228-5</u> | Cadmium selenide (CdSe), solid solution with cadmium sulfide, zinc selenide and zinc sulfide, gold and manganese-doped | セレン化カドミウム(CdSe)・硫化カドミウム・セレン化亜鉛・硫化亜鉛の固溶体金とマンガン添加物 | 101357-03-3 | D/P | P | 0.01* (0,002% for portable batteries) | |

Table1 GADSL list

- P#: Prohibited substance. However, Mitsuba may not require changeover of certain prohibited substances depending on type, customer, destination, and/or usage of products concerned.

| GADSL No. | Substance (物質名) | 物質名(和名) *ミツバ追記 | CAS-No. | Classification (管理区分) | Mitsuba's Classification (ミツバ管理区分) | Threshold (閾値) | Source (Legal requirements, regulations), specified condition (法の必要条件、法規定、特定条件) |
|-----------|--|--|-------------|-----------------------|------------------------------------|---|--|
| 228-6 | Cadmium selenide (CdSe), solid solution with cadmium sulfide, zinc selenide and zinc sulfide, manganese and silver-doped | セレン化カドミウム(CdSe)・硫化カドミウム・セレン化亜鉛・硫化亜鉛の固溶体マンガンと銀添加物 | 101357-04-4 | D/P | P | 0.01* (0,002% for portable batteries) | |
| 228-7 | Cadmium selenide sulfide (Cd2SeS) | 硫セレン化カドミウム | 12214-12-9 | D/P | P | 0.01* (0,002% for portable batteries) | |
| 228-8 | Cadmium selenide sulfide (CdSe0.53S0.47) | 硫セレン化カドミウム(CdSe:0.53S:0.47) | 71243-75-9 | D/P | P | 0.01* (0,002% for portable batteries) | |
| 228-9 | Cadmium selenide sulfide, (Cd2SeS) | 硫セレン化カドミウム(Cd2SeS) | 12213-70-6 | D/P | P | 0.01* (0,002% for portable batteries) | |
| 228-10 | Cadmium selenide sulphide | 硫化セレンカドミウム | 11112-63-3 | D/P | P | 0.01* (0,002% for portable batteries) | |
| 228-11 | Lead selenate | セレン酸鉛(Ⅱ) | 7446-15-3 | D/P | P | | |
| 228-12 | Lead selenite | 亜セレン酸鉛(Ⅱ) | 7488-51-9 | D/P | P | | |
| 228-13 | Mercury selenide (HgSe) | 水銀(Ⅱ)セレニド | 20601-83-6 | D/P | P | | |
| 228-14 | Selenic acid, cadmium salt (1:1) | セレン酸カドミウム | 13814-62-5 | D/P | P | 0.01* (0,002% for portable batteries) | |
| 228-15 | Selenious acid, cadmium salt (1:1) | 亜セレン酸カドミウム | 13814-59-0 | D/P | P | 0.01* (0,002% for portable batteries) | |
| 229 | Silica, crystalline | 結晶性シリカ | 14808-60-7 | D | D | | IARC Group 1 Carcinogen, US National Toxicology Program Probable Human carcinogen |
| 230 | Sodium azide | アジ化ナトリウム | 26628-22-8 | D | P | | |
| 231 | Styrene (Vinyl benzene) | スチレン(ビニルベンゼン) | 100-42-5 | D | D | | EU Risk Assessment |
| 232 | Styrene oxide (Epoxy styrene) | 酸化スチレン(エポキシスチレン) | 96-09-3 | D | D | | Reg. (EC) No 1272/2008 |
| 233 | Sulfonic acids, C10-18-alkane, phenyl esters | スルホン酸(C10-18)フェニルエステル | 70775-94-9 | D | D | | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |
| 234 | Sulfonic acids, petroleum, calcium salts, overbased | 過石油スルホネートカルシウム塩 | 68783-96-0 | D | D | | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |
| 235 | Sulfonic acids, petroleum, barium salts | 石油スルホネートバリウム塩 | 61790-48-5 | D | D | | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |
| 236 | Sulfonic acids, petroleum, calcium salts | 石油スルホネートカルシウム塩 | 61789-86-4 | D | D | | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |
| 237 | Sulfonic acids, petroleum, magnesium salts | 石油スルホネートマグネシウム塩 | 61789-87-5 | D | D | | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |
| 238 | Sulfonic acids, petroleum, sodium salts | 石油スルホネートナトリウム塩 | 68608-26-4 | D | D | | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |
| 239 | 4,4'-sulphonylbis[2,6-dibromophenol],Tetrabromobisphenol S, (TBBPS) | - | 39635-79-5 | D | D | | Included in list of substances under REACH PACT assessment |
| 240 | Sulfur hexafluoride | 六フッ化硫黄 | 2551-62-4 | D/P | P | | EC No. 842/2006 |
| 241 | Tall Oil | 肪酸 | 8002-26-4 | D | D | | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |
| 242 | Tall oil pitch | 肪酸ピッチ | 8016-81-7 | D | D | | Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |
| 243 | Terphenyl, hydrogenated | 水素化ターフェニル | 61788-32-7 | D | P | | Reg. (EC) No 1907/2006 (REACH Candidate List) |
| 244 | 4-tert-Butylphenol | 4-tert-ブチルフェノール | 98-54-4 | D | D | | Reg. (EC) No 1907/2006 (REACH Candidate List) |
| 245 | 1,4,5,8-tetraaminoanthraquinone; C.I. Disperse Blue 1 | 1,4,5,8-テトラアミノ-9,10-アントラキノン | 2475-45-8 | D/P | P | Shall not be placed on the market textiles other than clothing which, under normal or reasonably foreseeable conditions of use, come into contact with human skin to an extent similar to clothing. (Concentration limit by weight 0.005%) | Reg.(EU) No 2018/1513 (REACH) |
| 246 | Tetrabromobisphenol A (TBBPA) | テトラブロモビスフェノールA(TBBPA) | 79-94-7 | D | D | | EU risk assessment |
| 247 | Tetrachlorobenzene, all members | テトラクロロベンゼンすべて | | P | P | | Prohibition of Certain Toxic Substances Regulations, 2005 (SOR/SOR/2005-41. Published in Canada Gazette Part II, 2006-11-29 Vol. 140, No. 24 |
| 248 | Tetrafluoro-methane | テトラフルオロメタン(フッ化炭素) | 75-73-0 | D/P | P | | Reg. (EC) No. 842/2006 |
| 249 | N,N,N',N'-Tetramethyl-4,4'-methylenedianiline | ビス[4-(ジメチルアミノ)フェニル]メタン | 101-61-1 | D | D | | Reg. (EC) No 1907/2006 (REACH Candidate List) |
| 250 | Tetraphenyl m-phenylene bis(phosphate) | テトラフェニル m-フェニレン=ビスホスファート | 57583-54-7 | D | D | | Included in list of substances under REACH PACT assessment |
| 251 | Thallium | タリウム | 7440-28-0 | D | D | Calculated according to 4.3.1 of the GADSL guidance document. | Reg. (EC) No 1272/2008 |
| 252 | Thioperoxydicarbonic diamide ((H2N)C(S)2S2), tetramethyl-; Thiram; Tetramethylthiuram disulphide; | テトラメチルチウラムジスルフィド(別名チウラム又はチラム) | 137-26-8 | D/P | D/P | Biocide usage: "-" | Japan Waste Management and Public Cleansing Law Reg. (EU) No 528/2012 See GADSL Reference Biocide Included in list of substances under assessment in phase 3 of Canadian Chemical Management Plan (CMP3) (2016-2020) |
| 253 | Toluene | トルエン | 108-88-3 | D | D | | Reg. (EC) No 1272/2008, Toxic for reproduction-Category 3. Possible risk of harm to the unborn child. Reg. (EC) No 552/2009 |
| 254 | o-Toluidine generating substances, selected | o-トルイジンを生じさせる物質、抜粋 | | D | D | | |
| 255 | 2,4,6-Triallyloxy-1,3,5-triazine | シアヌル酸 トリアリル | 101-37-1 | D | D | | Included in list of substances under REACH PACT assessment |

Table1 GADSL list

- P#: Prohibited substance. However, Mitsuba may not require changeover of certain prohibited substances depending on type, customer, destination, and/or usage of products concerned.

| GADSL No. | Substance (物質名) | 物質名(和名) *ミツバ追記 | CAS-No. | Classification (管理区分) | Mitsuba's Classification (ミツバ管理区分) | Threshold (閾値) | Source (Legal requirements, regulations), specified condition (法的必要条件、法規定、特定条件) |
|-----------|---|------------------------------|-------------|-----------------------|------------------------------------|---------------------------------|--|
| 256 | Trichlorophenol and its salts, all members | トリクロロフェノールおよびその塩すべて | | D | D | | Reg. (EC) No 1272/2008 |
| 257 | Trichloropropane (1,2,3 - Trichloropropane) | トリクロロプロパン(1,2,3-トリクロロプロパン) | 96-18-4 | D | P | | Reg. (EC) No 1272/2008 Reg. (EC) No 1907/2006 (REACH Candidate List) |
| 258 | S-(tricyclo(5.2.1.0 ^{2,6})deca-3-en-8(or 9)-yl O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate | - | 255881-94-8 | D | D | | Reg. (EC) No 1907/2006 (REACH Candidate List) |
| 259 | Trimethylphosphate | リン酸トリメチル | 512-56-1 | D | D | | Reg. (EC) No 552/2009 |
| 260 | Triorganotin compounds, all members | トリ有機スズ化合物すべて | | P | P | | Reg. (EC) No 552/2009, Reg. (EC) No 1272/2008, Reg. (EC) No 1907/2006 (REACH) Japan Chemical Substances Control Law [Class I]. Canadian Prohibition of Certain Toxic Substances Regulations, 2012 amended to prohibit the use, manufacture, import, sale and offer for sale of any TBT effective January 1, 2013 except TBTs with the grouping (C4H9)4Sn which are permitted up to a max concentration of 30% (w/w). |
| 261 | Triphenylphosphate | リン酸トリフェニル | 115-86-6 | D | D | | Flame retardant under review |
| 262 | 1,3,5-Tris(oxiranylethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione | イソシアヌル酸トリグリシジル | 2451-62-9 | D | D | | Reg. (EC) No 1907/2006 (REACH Candidate List) |
| 263 | Tris(1,3-dichloro-2-propyl)phosphate | リン酸トリス(1,3-ジクロロ-2-プロピル) | 13674-87-8 | D | D/P | | US California Prop 65 notify/labelling will be required, but not eliminated at this time http://oehha.ca.gov/prop65/background/p65plain.html |
| 264 | Tris-(1-aziridinyl) phosphine oxide | トリス-(1-アジリジン)ホスフィンオキシド | 545-55-1 | P | P | | Reg. (EC) No 1907/2006 (REACH Annex XVII) |
| 265 | Tris(2-chloro-1-methylethyl) phosphate | トリス(1-クロロ-2-メチルエチル) = ホスファート | 13674-84-5 | D | D | | Included in list of substances under REACH PACT assessment |
| 266 | Tris(2,3-dibromopropyl)phosphate (TRIS) | リン酸トリス(2,3-ジブロモプロピル)[TRIS] | 126-72-7 | P | P | | Reg. (EC) No 1907/2006 (REACH Annex XVII) K-REACH |
| 267 | Tris(2-chloroethyl)phosphate | リン酸トリス(2-クロロエチル) | 115-96-8 | D/P | P | 0.01 or Not intentionally added | Reg. (EC) No 1272/2008 Reg. (EC) No 1907/2006 (REACH Annex XIV) |
| 268 | tris(2-ethylhexyl)-benzene-1,2,4-tricarboxylate | トリメチル酸 トリス(2-エチルヘキシル) | 3319-31-1 | D | D | | Included in list of substances under REACH PACT assessment |
| 269 | Tris(methylphenyl) phosphate | リン酸トリクレジル (混合物) | 1330-78-5 | D | D | | Included in list of substances under REACH PACT assessment |
| 270 | Tris(nonylphenyl) phosphite | 亜リン酸トリス(4-ノニルフェニル) | 26523-78-4 | D | D | | Reg. (EC) No 1907/2006 (REACH Candidate List) |
| 271 | Trixylyl phosphate | リン酸トリキシリル | 25155-23-1 | D | P# | | Reg. (EC) No 1907/2006 (REACH Annex XIV) |
| 272 | UVCB-Diamines, all members | - | | D | D | | Included in list of substances under REACH PACT assessment |
| 273 | Vanadium pentoxide (orthorhombic crystalline form) | 五酸化バナジウム | 1314-62-1 | D | D | | California Proposition 65 |
| 274 | zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) | クロロエチレン(塩ビモノマー) | 4259-15-8 | D | D | | Included in list of substances under REACH PACT assessment |

Table2 GADSL listing outside independent prohibited substance list

P#: Prohibited substance. However, Mitsuba may not require changeover of certain prohibited substances depending on type, customer, destination, and/or usage of products concerned.

| No. | Substance (物質名) | 物質名(和名) *ミツバ追記 | CAS-No. | Mitsuba's Classification (ミツバ管理区分) | Threshold (閾値) | Source (Legal requirements, regulations), specified condition (法的必要条件、法規定、特定条件) |
|-----|---|---|-------------|--|---|---|
| 1 | Benzene, 1,1'-oxybis[tribromo- | トリブロモ (トリブロモフェノキシ) ベンゼン | 31153-30-7 | P | | Japan Chemical Substances Control Law |
| 2 | N,N'-ditolyl-p-phenylenediamine | N,N'-ジトリル-パラ-フェニレンジアミン | 27417-40-9 | P | | Japan Chemical Substances Control Law |
| 3 | N,N'-dixylyl-p-phenylenediamine | N-トリル-N'-キシリル-パラ-フェニレンジアミン | 28726-30-9 | P | | Japan Chemical Substances Control Law |
| 4 | N-tolyl-N'-xylyl-p-phenylenediamine | N,N'-ジキシリル-パラ-フェニレンジアミン | 70290-05-0 | P | | Japan Chemical Substances Control Law |
| 5 | Strontium chromate | アクリンとホルムアルデヒドの重合体 | 25214-70-4 | P | | REACH Annex XIV |
| 6 | Perchlorophenyl S-benzyl-N-(benzyloxy-carbonyl)-L-cysteinate | N-[(フェニルメトキシ)カルボニル]-S-(フェニルメチル)-L-システインペンタクロロフェニル | 13673-54-6 | P | | Stockholm convention Japan CSCLClass 1 REACH Annex XVII |
| 7 | Pentachlorophenyl N-[[[4-methoxyphenyl)methoxy]carbonyl]-L-serinate | N-[[[4-メトキシフェニル)メトキシ]カルボニル]-L-セリンペンタクロロフェニル | 23234-97-1 | P | | Stockholm convention Japan CSCLClass 1 REACH Annex XVII |
| 8 | Pentachlorophenol | ペンタクロロフェノール | 85380-74-1 | P | | Stockholm convention Japan CSCLClass 1 REACH Annex XVII |
| 9 | L-PYROGLUTAMIC ACID PENTACHLOROPHENYL ESTER | (2S)-5-オキソ-2-ピロリジンカルボン酸ペンタクロロフェニル | 28990-85-4 | P | 0% | Stockholm convention Japan CSCLClass 1 REACH Annex XVII |
| 10 | Cyclohexane, 1,2,3,4,5,6-hexachloro-(1.alpha,2.beta,3.alpha,4.beta,5.alpha,6.beta)- | ヘキサクロシクロヘキサン | 319-85-7 | P | 0% | Stockholm convention CLP GefStoffV with Annex14 Nr.5 Japan CSCLClass 1 |
| 11 | C.I. Basic Yellow 103 | ベーシックイエロー103 | 54060-92-3 | P | | TRGS614 |
| 12 | Acetic acid, 2,2',2''-[[[methylstannylidyl)tris(thio)]tris-, triisooctyl ester | 2,2',2''-[[メチルスタニリジン)トリス(チオ)]トリス(酢酸6-メチルヘプチル) | 54849-38-6 | P | | REACH ANNEX XVII |
| 13 | Pyrochlore, antimony lead yellow; C.I. Pigment Yellow 41 | ピグメントイエロー41 | 8012-00-8 | P | | REACH CLP |
| 14 | Lead sulfochromate yellow (C.I. Pigment Yellow 34) | ピグメントイエロー34 | 61513-05-1 | P | 0.01% | REACH Annex XIV Sunset date2015/5/21 |
| 15 | Lead sulfochromate yellow (C.I. Pigment Yellow 34) | ピグメントイエロー34 | 61513-06-2 | P | 0.01% | REACH Annex XIV Sunset date2015/5/21 |
| 16 | Lead sulfochromate yellow (C.I. Pigment Yellow 34) | ピグメントイエロー34 | 61513-07-3 | P | 0.01% | REACH Annex XIV Sunset date2015/5/21 |
| 17 | Lead sulfochromate yellow (C.I. Pigment Yellow 34) | ピグメントイエロー34 | 8012-76-8 | P | 0.01% | REACH Annex XIV Sunset date2015/5/21 |
| 18 | Lead sulfochromate yellow (C.I. Pigment Yellow 34) | ピグメントイエロー34 | 81209-53-2 | P | 0.01% | REACH Annex XIV Sunset date2015/5/21 |
| 19 | Sodium pentachloropentate monohydrate | - | 27735-64-4 | P | 0% | Stockholm convention Japan CSCLClass 1 REACH Annex XVII |
| 20 | Pentachlorophenyl laurate | ドデカン酸ペンタクロロフェニル | 3772-94-9 | P | 0% | Stockholm convention Japan CSCLClass 1 REACH Annex XVII |
| 21 | Pentachloroanisole | 1-メトキシ-2,3,4,5,6-ペンタクロロベンゼン | 1825-21-4 | P | 0% | Stockholm convention Japan CSCLClass 1 REACH Annex XVII |
| 22 | N2-benzyl pentachlorophenyl N2-carboxy-L-(2-aminoglutaramate) | N2-[(ベンジルオキシ)カルボニル]-L-グルタミンペンタクロロフェニル | 13673-51-3 | P | 0% | Stockholm convention Japan CSCLClass 1 REACH Annex XVII |
| 23 | Perchlorophenyl N-(benzyloxy-carbonyl)-L-isoleucinate | ペンタクロロフェニル = N - [(ベンジルオキシ)カルボニル] - L - イソロイシナート | 13673-53-5 | P | 0% | Stockholm convention Japan CSCLClass 1 REACH Annex XVII |
| 24 | Bis(2-methoxyethyl)ether | ビス(2-メトキシエチル)エーテル | 111-96-6 | P | 0.01% | REACH CLP REACH Annex XIV |
| 25 | 4,4'-Methylene-bis-(2-chloroaniline) | 4,4'-メチレンビス(2-クロロアニリン) | 101-14-4 | P | 0.01% | REACH ANNEX XIV Reg. (EC) No 1272/2008 |
| 26 | N-pentyl-isopentylphthalate | フタル酸n-ペンチル-イソペンチル、n-ペンチル-イソペンチルフタレート | 776297-69-9 | P | 0.01% | REACH Annex XIV Reg. (EC) No 1272/2008 |
| 27 | Phenylmercury octanoate | オクタ酸フェニル水銀 | 13864-38-5 | P | 0.01% | REACH Annex XVII |
| 28 | β-TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione); Teroxirone | β-1, 3, 5-トリス [(R) -2-オキシラン-2-イルメチル] - 1, 3, 5-トリアジン-2, 4, 6 (1H, 3H, 5H)-トリアオン | 59653-74-6 | P# | | REACH SVHReg. (EC) No 1272/2008 |
| 29 | Cadmium sulphate | 硫酸カドミウム | 31119-53-6 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 30 | Cadmium (II) chloride monohydrate | 塩化カドミウム一水合物 | 35658-65-2 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 31 | Cadmium dioleate | ビスオレイン酸カドミウム | 10468-30-1 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 32 | Bis(dibutylidithiocarbamate-S,S')cadmium | ビス(ジブチルカルバモジチオ酸)カドミウム | 14566-86-0 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |

Table2 GADSL listing outside independent prohibited substance list

P#: Prohibited substance. However, Mitsuba may not require changeover of certain prohibited substances depending on type, customer, destination, and/or usage of products concerned.

| No. | Substance (物質名) | 物質名(和名) *ミツバ追記 | CAS-No. | Mitsuba's Classification (ミツバ管理区分) | Threshold (閾値) | Source (Legal requirements, regulations), specified condition (法的必要条件、法規定、特定条件) |
|-----|--|-------------------------|------------|--|--|---|
| 33 | Bis(pentane-2,4-dionato-O,O')cadmium | カドミウム(Ⅱ)アセチルアセトネート | 14689-45-3 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 34 | Tris(ethylenediamine)cadmium dihydroxide | - | 14874-24-9 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 35 | Cadmium bis(piperidine-1-carbodithioate) | ビス(1-ピペリジンカルボジチオ酸)カドミウム | 14949-59-8 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 36 | Bis(dimethyldithiocarbamate-S,S')cadmium | - | 14949-60-1 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 37 | Disodium tetrakis(cyano-C)cadmate(2-) | - | 15682-87-8 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 38 | Dipotassium [[N,N'-ethylenebis[N-(carboxymethyl)glycinato]](4-)-N,N',O,O',ON,ON']cadmate(2-) | - | 15708-29-9 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 39 | Cadmium dilactate | - | 16039-55-7 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 40 | 5-oxo-L-proline, cadmium salt | - | 16105-06-9 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 41 | Bis(ethylenediamine)cadmium(2+) bis[dicyanoaurate(1-)] | - | 18974-20-4 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 42 | Cadmium diphenolate | フェノールカドミウム塩 | 18991-05-4 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 43 | Cadmium bis(dipentylidithiocarbamate) | - | 19010-65-2 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 44 | Cadmium disalicylate | カドミウムサリチル酸塩 | 19010-79-8 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 45 | Cadmium methacrylate | カドミウムメタクリル酸塩 | 24345-60-6 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |

Table2 GADSL listing outside independent prohibited substance list

P#: Prohibited substance. However, Mitsuba may not require changeover of certain prohibited substances depending on type, customer, destination, and/or usage of products concerned.

| No. | Substance (物質名) | 物質名(和名) *ミツバ追記 | CAS-No. | Mitsuba's Classification (ミツバ管理区分) | Threshold (閾値) | Source (Legal requirements, regulations), specified condition (法的必要条件、法規定、特定条件) |
|-----|---------------------------------------|-------------------------|------------|--|--|---|
| 46 | Cadmium epoxyoctadecanoate | カドミウムエポキシ樹脂 | 26264-48-2 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 47 | Dimethylcadmium | ジメチルカドミウム | 506-82-1 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 48 | Cadmium di(acetate) dihydrate | 酢酸カドミウム二水和物 | 5743-04-4 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 49 | Cadmium oxalate | シュウ酸カドミウム | 814-88-0 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 50 | Cadmium dithiocyanate | チオシアン酸カドミウム | 865-38-3 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 51 | Barium cadmium tetrastearate | バリウムカドミウムテトラステアリン酸塩 | 1191-79-3 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 52 | Cadmium di(octanoate) | 二オクタン酸カドミウム | 2191-10-8 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 53 | Cadmium p-toluate | アルキル安息香酸カドミウム | 2420-97-5 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 54 | Cadmium dilaurate | ラウリン酸カドミウム | 2605-44-9 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 55 | Cadmium didecanoate | ビスデカン酸カドミウム | 2847-16-7 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 56 | Cadmium bis[benzoate] | 二安息香酸カドミウム | 3026-22-0 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 57 | Cadmium 4-(1,1-dimethylethyl)benzoate | ビス(4-tert-ブチル安息香酸)カドミウム | 4167-05-9 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 58 | Cadmium cinnamate | ビス(3-フェニルプロペン酸)カドミウム | 4390-97-0 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |

Table2 GADSL listing outside independent prohibited substance list

P#: Prohibited substance. However, Mitsuba may not require changeover of certain prohibited substances depending on type, customer, destination, and/or usage of products concerned.

| No. | Substance (物質名) | 物質名(和名) *ミツバ追記 | CAS-No. | Mitsuba's Classification (ミツバ管理区分) | Threshold (閾値) | Source (Legal requirements, regulations), specified condition (法的必要条件、法規定、特定条件) |
|-----|--|------------------------------|------------|--|---|---|
| 59 | Cadmium sebacate | カドミウムセバケート | 4476-04-4 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 60 | Cadmium nonan-1-oate | ビスノナン酸カドミウム | 5112-16-3 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 61 | Cadmium dipalmitate | ビスパルミチン酸カドミウム | 6427-86-7 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 62 | Cadmium dianthranilate | - | 7058-55-1 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 63 | Cadmium toluate | メチル安息香酸カドミウム (I I) | 27476-27-3 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 64 | [[N,N'-ethylenebis(glycinato)](2-)- N,N',O,O']cadmium | - | 29977-13-7 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 65 | Cadmium isoocanoate | ビス(6-メチルヘプタン酸)カドミウム | 30304-32-6 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 66 | Cadmium dodecylbenzenesulphonate | ドデシルベンゼンスルホン酸カドミウム(II) | 31017-44-4 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 67 | Cadmium (1,1-dimethylethyl)benzoate | カドミウム(1,1ジメチルエチル)安息香酸塩 | 31215-94-8 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 68 | Cadmium [R-(R*,R*)]-tartrate | L-酒石酸/カドミウム | 34100-40-8 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 69 | Cadmium didocosanoate | ジヘン酸カドミウム | 34303-23-6 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 70 | Cadmium 3,5,5-trimethylhexanoate | - | 36211-44-6 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 71 | Cadmium(2+) (R)-12-hydroxyoctadecanoate | ビス[(R)-12-ヒドロキシオクタデカン酸]カドミウム | 38517-19-0 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |

Table2 GADSL listing outside independent prohibited substance list

P#: Prohibited substance. However, Mitsuba may not require changeover of certain prohibited substances depending on type, customer, destination, and/or usage of products concerned.

| No. | Substance (物質名) | 物質名(和名) *ミツバ追記 | CAS-No. | Mitsuba's Classification (ミツバ管理区分) | Threshold (閾値) | Source (Legal requirements, regulations), specified condition (法的必要条件、法規定、特定条件) |
|-----|--|----------------------------------|------------|--|---|---|
| 72 | Potassium [N,N-bis(carboxymethyl)glycinato(3-)-N,O,O',O'']cadmate(1-) | - | 49784-42-1 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 73 | Bis[N,N-bis(carboxymethyl)glycinato(3-)]tricadmium | - | 50648-02-7 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 74 | Cadmium o-toluate | ビス(2-メチル安息香酸)カドミウム | 52337-78-7 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 75 | Cadmium bis(4-cyclohexylbutyrate) | ビス(シクロヘキサンプタン酸)カドミウム | 55700-14-6 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 76 | Cadmium divalerate | ビス(ペンタン酸)カドミウム | 56982-42-4 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 77 | Naphthenic acids, cadmium salts | ナフテン酸、カドミウム塩 | 61789-34-2 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 78 | Cadmium neodecanoate | ネオデカン酸カドミウム | 61951-96-0 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 79 | Cadmium bis(heptadecanoate) | ジヘプタデカン酸カドミウム | 62149-56-8 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 80 | Cadmium pentadecanoate | ビスペンタデカン酸カドミウム | 63400-09-9 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 81 | (S)-dichloro[2-[[[2,3-dihydroxypropoxy]hydroxyphosphinyl]oxy]triethylmethylammoniumato]cadmium | グリセロホスホリルコリン塩化カドミウムコンプレックス | 64681-08-9 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 82 | Bis(propane-1,2-diyldiamine-N,N')cadmium(2+) bis[bis(cyano-C)aurate(1-)] | - | 67906-19-8 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 83 | Cadmium dilinoleate | ビス[(9Z,12Z)-9,12-オクタデカジエン酸]カドミウム | 67939-62-2 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 84 | Tetrapotassium [[[[nitritotris(methylene)]tris[phosphonato]](6-)-N,O,O',O''']cadmate(6-) | - | 67989-93-9 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |

Table2 GADSL listing outside independent prohibited substance list

P#: Prohibited substance. However, Mitsuba may not require changeover of certain prohibited substances depending on type, customer, destination, and/or usage of products concerned.

| No. | Substance (物質名) | 物質名(和名) *ミツバ追記 | CAS-No. | Mitsuba's Classification (ミツバ管理区分) | Threshold (閾値) | Source (Legal requirements, regulations), specified condition (法的必要条件、法規定、特定条件) |
|-----|---|--------------------|------------|--|--|---|
| 85 | Cadmium m-toluate | ビス(3-メチル安息香酸)カドミウム | 68092-45-5 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 86 | Fatty acids, C10-18, cadmium salts | 脂肪酸(C10-18)カドミウム塩 | 68131-58-8 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 87 | Fatty acids, C12-18, cadmium salts | 脂肪酸(C12-18)カドミウム塩 | 68131-59-9 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 88 | Benzyltriphenylphosphonium tetrachlorocadmate | - | 68214-25-5 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 89 | Pentapotassium hydrogen [[[ethylenebis[nitrilobis(methylene)]]]tetrakis[ph osp honato]](8-)]cadmate(6-) | - | 68309-98-8 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 90 | Cadmium sulfide (CdS), solid soln. with zinc sulfide, copper and lead-doped | - | 68332-81-0 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 91 | Fatty acids, C14-18, cadmium salts | 脂肪酸(C14-18)カドミウム塩 | 68409-82-5 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 92 | Cadmium, benzoate p-tert-butylbenzoate complexes | - | 68478-53-5 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 93 | Pyrochlore, bismuth cadmium ruthenium | - | 68479-13-0 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 94 | Cadmium sulfide (CdS), solid soln. with zinc sulfide, aluminum and cobalt and copper and silver-doped | - | 68784-10-1 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 95 | Barium cadmium calcium chloride fluoride phosphate, antimony and manganese-doped | - | 68784-55-4 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 96 | Fatty acids, tall-oil, cadmium salts | 脂肪酸高油カドミウム塩 | 68855-80-1 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 97 | Fatty acids, C8-18 and C18-unsatd., cadmium salts | - | 68876-84-6 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |

Table2 GADSL listing outside independent prohibited substance list

P#: Prohibited substance. However, Mitsuba may not require changeover of certain prohibited substances depending on type, customer, destination, and/or usage of products concerned.

| No. | Substance (物質名) | 物質名(和名) *ミツバ追記 | CAS-No. | Mitsuba's Classification (ミツバ管理区分) | Threshold (閾値) | Source (Legal requirements, regulations), specified condition (法的必要条件、法規定、特定条件) |
|-----|--|-----------------------|------------|--|--|---|
| 98 | Cadmium sulfide (CdS), aluminum and copper-doped | カドミウム硫化物、アルミニウムと銅の添加物 | 68876-98-2 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 99 | Cadmium sulfide (CdS), aluminum and silver-doped | カドミウム硫化物、アルミニウムと銅の添加物 | 68876-99-3 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 100 | Cadmium sulfide (CdS), copper chloride-doped | カドミウム硫化物、塩化銅添加 | 68877-00-9 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 101 | Cadmium sulfide (CdS), silver chloride-doped | カドミウム硫化物、塩化銀添加 | 68877-01-0 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 102 | Cadmium sulfide (CdS), copper and lead-doped | カドミウム硫化物、銅と鉛の添加物 | 68891-87-2 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 103 | Fatty acids, tallow, hydrogenated, cadmium salts | - | 68953-39-9 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 104 | Resin acids and Rosin acids, cadmium salts | 樹脂酸とロジン酸、カドミウム塩 | 68956-81-0 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 105 | Hydrogen [4-[(5-chloro-4-methyl-2-sulphophenyl)azo]-3-hydroxynaphthalene-2-carboxylato(3-)]cadmate(1-) | - | 68966-97-2 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 106 | Cadmium, dross | カドミウム不純物 | 69011-69-4 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 107 | Wastewater, cadmium sulfate electrolytic, acid | 廃水、電解硫酸カドミウム、酸 | 69012-21-1 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 108 | Flue dust, cadmium-refining | 煙塵、カドミウム精製物 | 69012-57-3 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 109 | Calcines, cadmium residue | 焙焼されたカドミウム残留物 | 69029-63-6 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 110 | Leach residues, cadmium-refining | カドミウム生成時に過された残留物 | 69029-70-5 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |

Table2 GADSL listing outside independent prohibited substance list

P#: Prohibited substance. However, Mitsuba may not require changeover of certain prohibited substances depending on type, customer, destination, and/or usage of products concerned.

| No. | Substance (物質名) | 物質名(和名) *ミツバ追記 | CAS-No. | Mitsuba's Classification (ミツバ管理区分) | Threshold (閾値) | Source (Legal requirements, regulations), specified condition (法的必要条件、法規定、特定条件) |
|-----|--|---------------------------------------|------------|--|---|---|
| 111 | Residues, cadmium-refining | カドミウム精製残留物 | 69029-77-2 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 112 | Slimes and Sludges, cadmium-refining, oxidized | カドミウム精製時発生した汚濁・スラッジ | 69029-90-9 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 113 | Slimes and Sludges, cadmium sump tank | 汚濁とスラッジ、カドミウムサンブタンク | 69029-91-0 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 114 | Cadmium(2+) 12-hydroxyoctadecanoate | ビス(12-ヒドロキシステアリン酸)カドミウム | 69121-20-6 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 115 | Cadmium potassium 1- (hydroxyethylidene)bisphosphonate(1:2:1) | 1-ヒドロキシエチリデンビス(ホスホン酸)・カドミウム・2 カリウム | 69190-99-4 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 116 | Fatty acids, C12-18, barium cadmium salts | 脂肪酸(C12-18)バリウムカドミウム塩 | 70084-75-2 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 117 | (R)-12-hydroxyoleic acid, barium cadmium salt | (R)-12ヒドロキシオレイン酸、バリウムのカドミウム塩 | 71411-66-0 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 118 | Tetra-μ-chlorodichlorobis[2-[[[(2,3- dihydroxypropoxy)hydroxyphosphinyloxy]triethyl lm ethylammoniumato]tricadmium, stereoisomer | - | 71861-27-3 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 119 | Fatty acids, coco, cadmium salts | - | 72869-63-7 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 120 | Zircon, cadmium yellow | ジルコン、カドミウムイエロー | 72968-34-4 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 121 | Cadmium isononanoate | カドミウムイソノナノアート | 84696-56-0 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 122 | Cadmium isoctadecanoate | カドミウムイソオクタデカナート | 84878-36-4 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 123 | Cadmium tert-decanoate | カドミウムテトラデカナート | 84878-37-5 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |

Table2 GADSL listing outside independent prohibited substance list

P#: Prohibited substance. However, Mitsuba may not require changeover of certain prohibited substances depending on type, customer, destination, and/or usage of products concerned.

| No. | Substance (物質名) | 物質名(和名) *ミツバ追記 | CAS-No. | Mitsuba's Classification (ミツバ管理区分) | Threshold (閾値) | Source (Legal requirements, regulations), specified condition (法的必要条件、法規定、特定条件) |
|-----|---|------------------------------|------------|--|--|---|
| 124 | Cadmium bis(nonylphenolate) | ノニルフェノールカドミウム (II) | 84878-48-8 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 125 | Cadmium bis(octylphenolate) | オクチルフェノールカドミウム (II) | 84878-51-3 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 126 | Flue dust, lead-manufg., cadmium-rich | - | 85117-02-8 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 127 | Waste solids, cadmium-electrolysis, thallium-rich | - | 85117-20-0 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 128 | Fatty acids, C9-11-branched, cadmium salts | 脂肪酸C9-11分岐カドミウム塩 | 85586-15-8 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 129 | Bis(5-oxo-L-prolinato-N1,O2)cadmium | ビス(5-オキソ-L-プロリナトN1,O2)カドミウム | 85958-86-7 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 130 | Bis(5-oxo-DL-prolinato-N1,O2)cadmium | ビス(5-オキソ-DL-プロリナトN1,O2)カドミウム | 85994-31-6 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 131 | Benzenesulfonic acid, mono-C10-13-alkyl derivs., cadmium salts | - | 90194-35-7 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 132 | Benzoic acid, cadmium salt, basic | 安息香酸、カドミウム塩 | 90218-85-2 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 133 | Decanoic acid, branched, cadmium salts | - | 90342-19-1 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 134 | Hexanoic acid, 2-ethyl-, cadmium salt, basic | ヘキサノイック酸-2-エチル-カドミウム塩 | 90411-62-4 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 135 | Propanoic acid, cadmium salt, basic | プロパノイック酸、カドミウム塩 | 90529-78-5 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 136 | Leach residues, cadmium cake | - | 91053-44-0 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |

Table2 GADSL listing outside independent prohibited substance list

P#: Prohibited substance. However, Mitsuba may not require changeover of certain prohibited substances depending on type, customer, destination, and/or usage of products concerned.

| No. | Substance (物質名) | 物質名(和名) *ミツバ追記 | CAS-No. | Mitsuba's Classification (ミツバ管理区分) | Threshold (閾値) | Source (Legal requirements, regulations), specified condition (法的必要条件、法規定、特定条件) |
|-----|---|-------------------------------------|------------|--|--|---|
| 137 | Leach residues, zinc ore-calcine, cadmium-copper ppt. | - | 91053-46-2 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 138 | Fatty acids, castor-oil, hydrogenated, cadmium salts | - | 91697-35-7 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 139 | Fatty acids, C8-10-branched, cadmium salts | 脂肪酸C8-10分岐カドミウム塩 | 92257-06-2 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 140 | Leach residues, zinc refining flue dust, cadmium-thallium ppt. | - | 92257-11-9 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 141 | Fatty acids, C9-13-neo-, cadmium salts | 脂肪酸C9-13-ネオ-カドミウム塩 | 92704-12-6 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 142 | Fatty acids, olive-oil, cadmium salts | 脂肪酸、オリーブオイル、カドミウム塩 | 92704-15-9 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 143 | Fatty acids, peanut-oil, cadmium salts | 脂肪酸、ピーナッツオイル、カドミウム塩 | 92704-19-3 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 144 | Fatty acids, rape-oil, cadmium salts | 脂肪酸、菜種油、カドミウム塩 | 92704-24-0 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 145 | Fatty acids, C14-18 and C18-unsatd., branched and linear, hydrogenated, cadmium salts | - | 92797-28-9 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 146 | Bis(2-ethylhexyl mercaptoacetato -O',S)cadmium | - | 93858-50-5 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 147 | Cadmium bis(o-nonylphenolate) | カドミウムビス(0-ノニルフェレート) | 93894-07-6 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 148 | Cadmium bis(p-nonylphenolate) | カドミウムビス(p-ノニルフェレート) | 93894-08-7 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 149 | Cadmium bis[p-(1,1,3,3-tetramethylbutyl)phenolate] | カドミウムビス[p-(1,1,3,3-テトラメチルブチル)フェレート] | 93894-09-8 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |

Table2 GADSL listing outside independent prohibited substance list

P#: Prohibited substance. However, Mitsuba may not require changeover of certain prohibited substances depending on type, customer, destination, and/or usage of products concerned.

| No. | Substance (物質名) | 物質名(和名) *ミツバ追記 | CAS-No. | Mitsuba's Classification (ミツバ管理区分) | Threshold (閾値) | Source (Legal requirements, regulations), specified condition (法的必要条件、法規定、特定条件) |
|-----|---|--|-------------|--|--|---|
| 150 | Cadmium (Z)-hexadec-9-enoate | ビス[(Z)-9-ヘキサデセン酸]カドミウム | 93894-10-1 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 151 | Cadmium isodecanoate | カドミウムイソデカノアート | 93965-24-3 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 152 | Cadmium bis(isoundecanoate) | カドミウムビス(イソウンデカノアート) | 93965-30-1 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 153 | Cadmium dimethylhexanoate | カドミウム ジメチルヘキサノアート | 93983-65-4 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 154 | Cadmium tetrapentyl bis(phosphate) | カドミウムテトラペンチルビス(リン酸塩) | 94232-49-2 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 155 | Cadmium isoocetyl phthalate (1:2:2) | カドミウムイソクチルフタレート | 94247-16-2 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 156 | Cadmium (1-ethylhexyl) phthalate (1:2:2) | カドミウム(1-エチルヘキシル)フタレート | 94275-93-1 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 157 | Cadmium octyl phthalate (1:2:2) | カドミウムオクチルフタレート | 94275-94-2 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 158 | Leach residues, cadmium-contg. flue dust | - | 94551-70-9 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 159 | Cadmium isohexadecanoate | カドミウム イソヘキサデカノアート | 95892-12-9 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 160 | Cadmium diisobutyl dimaleate | (Z) - 2 - ブテン二酸モノ(2 - メチルプロピル) カドミウム (1:1) | 97259-82-0 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 161 | Zircon, cadmium orange | ジルコン、カドミウムオレンジ | 99749-34-5 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 162 | Flue dust, copper-lead blast furnace, cadmium-indium-enriched | - | 100656-55-1 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |

Table2 GADSL listing outside independent prohibited substance list

P#: Prohibited substance. However, Mitsuba may not require changeover of certain prohibited substances depending on type, customer, destination, and/or usage of products concerned.

| No. | Substance (物質名) | 物質名(和名) *ミツバ追記 | CAS-No. | Mitsuba's Classification (ミツバ管理区分) | Threshold (閾値) | Source (Legal requirements, regulations), specified condition (法的必要条件、法規定、特定条件) |
|-----|--|-------------------|-------------|--|--|--|
| 163 | Dodecanoic acid, cadmium salt, basic | - | 101012-89-9 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 164 | Octadecanoic acid, cadmium salt, basic | - | 101012-93-5 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 165 | Octadecanoic acid, 12-hydroxy-, cadmium salt, basic | - | 101012-94-6 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 166 | Cadmium perchlorate hexahydrate | 過塩素酸カドミウム六水和物 | 10326-28-0 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 167 | Cadmium chloride hydrate | カドミウムクロリドハイドレート | 654054-66-7 | P | 0.01% (0,002% for portable batteries) | REACH ANNEX XVII EU-D 2000/53/EEC JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 168 | Lead 202 | 鉛202 | 15752-86-0 | P | 0.1% or ELV exemption | EU-D 2000/53/EEC Reg.(EC) No 1272/2008 Reg.(EC) No 552/2009 JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 169 | Lead 205 | 鉛205 | 14119-28-9 | P | 0.1% or ELV exemption | EU-D 2000/53/EEC Reg.(EC) No 1272/2008 Reg.(EC) No 552/2009 JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 170 | Lead 210 | 鉛210 | 14255-04-0 | P | 0.1% or ELV exemption | EU-D 2000/53/EEC Reg.(EC) No 1272/2008 Reg.(EC) No 552/2009 JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 171 | Lead uranate pigment | ウラン酸鉛顔料 | 85536-79-4 | P | 0.1% or ELV exemption | EU-D 2000/53/EEC Reg.(EC) No 1272/2008 Reg.(EC) No 552/2009 JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 172 | Lead 198 | 鉛198 | 16646-00-7 | P | 0.1% or ELV exemption | EU-D 2000/53/EEC Reg.(EC) No 1272/2008 Reg.(EC) No 552/2009 JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 173 | Lead 199 | 鉛199 | 27486-00-6 | P | 0.1% or ELV exemption | EU-D 2000/53/EEC Reg.(EC) No 1272/2008 Reg.(EC) No 552/2009 JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 174 | Lead 200 | 鉛200 | 16645-99-1 | P | 0.1% or ELV exemption | EU-D 2000/53/EEC Reg.(EC) No 1272/2008 Reg.(EC) No 552/2009 JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |

Table2 GADSL listing outside independent prohibited substance list

P#: Prohibited substance. However, Mitsuba may not require changeover of certain prohibited substances depending on type, customer, destination, and/or usage of products concerned.

| No. | Substance (物質名) | 物質名(和名) *ミツバ追記 | CAS-No. | Mitsuba's Classification (ミツバ管理区分) | Threshold (閾値) | Source (Legal requirements, regulations), specified condition (法的必要条件、法規定、特定条件) |
|-----|--------------------------------------|-------------------|------------|--|--------------------------|--|
| 175 | Lead 201 | 鉛201 | 17239-87-1 | P | 0.1% or ELV exemption | EU-D 2000/53/EEC Reg.(EC) No 1272/2008 Reg.(EC) No 552/2009 JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 176 | Lead 203 | 鉛203 | 14687-25-3 | P | 0.1% or ELV exemption | EU-D 2000/53/EEC Reg.(EC) No 1272/2008 Reg.(EC) No 552/2009 JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 177 | Lead 209 | 鉛209 | 14119-30-3 | P | 0.1% or ELV exemption | EU-D 2000/53/EEC Reg.(EC) No 1272/2008 Reg.(EC) No 552/2009 JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 178 | Lead 211 | 鉛211 | 15816-77-0 | P | 0.1% or ELV exemption | EU-D 2000/53/EEC Reg.(EC) No 1272/2008 Reg.(EC) No 552/2009 JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 179 | Lead 212 | 鉛212 | 15092-94-1 | P | 0.1% or ELV exemption | EU-D 2000/53/EEC Reg.(EC) No 1272/2008 Reg.(EC) No 552/2009 JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 180 | Lead 214 | 鉛214 | 15067-28-4 | P | 0.1% or ELV exemption | EU-D 2000/53/EEC Reg.(EC) No 1272/2008 Reg.(EC) No 552/2009 JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 181 | Lead styphnate | スチフニン酸鉛 | 63918-97-8 | P | 0.1% or ELV exemption | EU-D 2000/53/EEC Reg.(EC) No 1272/2008 Reg.(EC) No 552/2009 JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 182 | Lead, bis(carbonato(2-))dihydroxytri | 基性炭酸 | 1344-36-1 | P | 0.1% or ELV exemption | EU-D 2000/53/EEC Reg.(EC) No 1272/2008 Reg.(EC) No 552/2009 JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 183 | Lead Molybdate Orange YE 428D (9CI) | - | 37268-42-1 | P | 0.1% or ELV exemption | EU-D 2000/53/EEC Reg.(EC) No 1272/2008 Reg.(EC) No 552/2009 JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 184 | Lead Molybdate Orange YEE 98D (9CI) | - | 50935-72-3 | P | 0.1% or ELV exemption | EU-D 2000/53/EEC Reg.(EC) No 1272/2008 Reg.(EC) No 552/2009 JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 185 | Lead Borosilicate | 鉛ホウケイ酸塩 | 65997-18-4 | P | 0.1% or ELV exemption | EU-D 2000/53/EEC Reg.(EC) No 1272/2008 Reg.(EC) No 552/2009 JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |

Table2 GADSL listing outside independent prohibited substance list

P#: Prohibited substance. However, Mitsuba may not require changeover of certain prohibited substances depending on type, customer, destination, and/or usage of products concerned.

| No. | Substance (物質名) | 物質名(和名) *ミツバ追記 | CAS-No. | Mitsuba's Classification (ミツバ管理区分) | Threshold (閾値) | Source (Legal requirements, regulations), specified condition (法的必要条件、法規定、特定条件) |
|-----|-------------------------------|-------------------|--------------|--|--------------------------|--|
| 186 | Lead dinitrate | 二硝酸塩鉛 | 18256-98-9 | P | 0.1% or ELV exemption | EU-D 2000/53/EEC Reg.(EC) No 1272/2008 Reg.(EC) No 552/2009 JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 187 | Lead monoxide (lead oxide) | 一酸化鉛 | 12359-23-8 | P | 0.1% or ELV exemption | EU-D 2000/53/EEC Reg.(EC) No 1272/2008 Reg.(EC) No 552/2009 JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 188 | Lead monoxide (lead oxide) | 一酸化鉛 | 1309-59-7 | P | 0.1% or ELV exemption | EU-D 2000/53/EEC Reg.(EC) No 1272/2008 Reg.(EC) No 552/2009 JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 189 | Lead titanium trioxide | 三酸化チタン鉛 | 10099-62-4 | P | 0.1% or ELV exemption | EU-D 2000/53/EEC Reg.(EC) No 1272/2008 Reg.(EC) No 552/2009 JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 190 | Lead titanium trioxide | 三酸化チタン鉛 | 14650-47-6 | P | 0.1% or ELV exemption | EU-D 2000/53/EEC Reg.(EC) No 1272/2008 Reg.(EC) No 552/2009 JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 191 | Lead titanium zirconium oxide | 鉛チタンジルコニウム酸化物 | 106804-23-3 | P | 0.1% or ELV exemption | EU-D 2000/53/EEC Reg.(EC) No 1272/2008 Reg.(EC) No 552/2009 JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 192 | Lead titanium zirconium oxide | 鉛チタンジルコニウム酸化物 | 118217-11-1 | P | 0.1% or ELV exemption | EU-D 2000/53/EEC Reg.(EC) No 1272/2008 Reg.(EC) No 552/2009 JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 193 | Lead titanium zirconium oxide | 鉛チタンジルコニウム酸化物 | 1245817-44-0 | P | 0.1% or ELV exemption | EU-D 2000/53/EEC Reg.(EC) No 1272/2008 Reg.(EC) No 552/2009 JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 194 | Lead titanium zirconium oxide | 鉛チタンジルコニウム酸化物 | 135699-34-2 | P | 0.1% or ELV exemption | EU-D 2000/53/EEC Reg.(EC) No 1272/2008 Reg.(EC) No 552/2009 JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 195 | Lead titanium zirconium oxide | 鉛チタンジルコニウム酸化物 | 143928-79-4 | P | 0.1% or ELV exemption | EU-D 2000/53/EEC Reg.(EC) No 1272/2008 Reg.(EC) No 552/2009 JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 196 | Lead titanium zirconium oxide | 鉛チタンジルコニウム酸化物 | 188417-76-7 | P | 0.1% or ELV exemption | EU-D 2000/53/EEC Reg.(EC) No 1272/2008 Reg.(EC) No 552/2009 JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |

Table2 GADSL listing outside independent prohibited substance list

P#: Prohibited substance. However, Mitsuba may not require changeover of certain prohibited substances depending on type, customer, destination, and/or usage of products concerned.

| No. | Substance (物質名) | 物質名(和名) *ミツバ追記 | CAS-No. | Mitsuba's Classification (ミツバ管理区分) | Threshold (閾値) | Source (Legal requirements, regulations), specified condition (法的必要条件、法規定、特定条件) |
|-----|----------------------------------|-------------------|-------------|--|--------------------------|--|
| 197 | Lead titanium zirconium oxide | 鉛チタンジルコニウム酸化物 | 200444-20-8 | P | 0.1% or ELV exemption | EU-D 2000/53/EEC Reg.(EC) No 1272/2008 Reg.(EC) No 552/2009 JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 198 | Lead titanium zirconium oxide | 鉛チタンジルコニウム酸化物 | 37189-44-9 | P | 0.1% or ELV exemption | EU-D 2000/53/EEC Reg.(EC) No 1272/2008 Reg.(EC) No 552/2009 JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 199 | Lead titanium zirconium oxide | 鉛チタンジルコニウム酸化物 | 37221-92-4 | P | 0.1% or ELV exemption | EU-D 2000/53/EEC Reg.(EC) No 1272/2008 Reg.(EC) No 552/2009 JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 200 | Lead titanium zirconium oxide | 鉛チタンジルコニウム酸化物 | 37382-38-0 | P | 0.1% or ELV exemption | EU-D 2000/53/EEC Reg.(EC) No 1272/2008 Reg.(EC) No 552/2009 JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 201 | Lead titanium zirconium oxide | 鉛チタンジルコニウム酸化物 | 39387-81-0 | P | 0.1% or ELV exemption | EU-D 2000/53/EEC Reg.(EC) No 1272/2008 Reg.(EC) No 552/2009 JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 202 | Lead titanium zirconium oxide | 鉛チタンジルコニウム酸化物 | 56730-15-5 | P | 0.1% or ELV exemption | EU-D 2000/53/EEC Reg.(EC) No 1272/2008 Reg.(EC) No 552/2009 JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 203 | orange lead (lead tetroxide) | 四酸化塩 | 12684-34-3 | P | 0.1% or ELV exemption | EU-D 2000/53/EEC Reg.(EC) No 1272/2008 Reg.(EC) No 552/2009 JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 204 | orange lead (lead tetroxide) | 四酸化塩 | 940949-96-2 | P | 0.1% or ELV exemption | EU-D 2000/53/EEC Reg.(EC) No 1272/2008 Reg.(EC) No 552/2009 JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 205 | Pyrochlore, antimony lead yellow | バイロクロール、アンチモンイエロー | 12710-25-7 | P | 0.1% or ELV exemption | EU-D 2000/53/EEC Reg.(EC) No 1272/2008 Reg.(EC) No 552/2009 JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 206 | Pyrochlore, antimony lead yellow | バイロクロール、アンチモンイエロー | 68187-20-2 | P | 0.1% or ELV exemption | EU-D 2000/53/EEC Reg.(EC) No 1272/2008 Reg.(EC) No 552/2009 JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 207 | Lead diazide, Lead azide | - | 85941-57-7 | P | 0.1% or ELV exemption | EU-D 2000/53/EEC Reg.(EC) No 1272/2008 Reg.(EC) No 552/2009 JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |

Table2 GADSL listing outside independent prohibited substance list

P#: Prohibited substance. However, Mitsuba may not require changeover of certain prohibited substances depending on type, customer, destination, and/or usage of products concerned.

| No. | Substance (物質名) | 物質名(和名) *ミツバ追記 | CAS-No. | Mitsuba's Classification (ミツバ管理区分) | Threshold (閾値) | Source (Legal requirements, regulations), specified condition (法的必要条件、法規定、特定条件) |
|-----|--|-------------------|------------|--|-------------------------------------|--|
| 208 | Lead dipicrate | - | 34352-43-8 | P | 0.1% or ELV exemption | EU-D 2000/53/EEC Reg.(EC) No 1272/2008 Reg.(EC) No 552/2009 JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 209 | Lead dipicrate | - | 65308-86-3 | P | 0.1% or ELV exemption | EU-D 2000/53/EEC Reg.(EC) No 1272/2008 Reg.(EC) No 552/2009 JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 210 | Lead styphnate | - | 4219-19-6 | P | 0.1% or ELV exemption | EU-D 2000/53/EEC Reg.(EC) No 1272/2008 Reg.(EC) No 552/2009 JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 211 | Lead styphnate | - | 59286-40-7 | P | 0.1% or ELV exemption | EU-D 2000/53/EEC Reg.(EC) No 1272/2008 Reg.(EC) No 552/2009 JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 212 | Lead styphnate | - | 6594-85-0 | P | 0.1% or ELV exemption | EU-D 2000/53/EEC Reg.(EC) No 1272/2008 Reg.(EC) No 552/2009 JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 213 | Lead titanium zirconium oxide | - | 69670-72-0 | P | 0.1% or ELV exemption | EU-D 2000/53/EEC Reg.(EC) No 1272/2008 Reg.(EC) No 552/2009 JAMA Voluntary regulation Korean Recycling Law Voluntary restraint by Taiwan scrap Vehicle Recycling Industry GB/T 30512(ELV China) |
| 214 | 2,4,5-Trimethylaniline | 2,4,5-トリメチルアニリン | 137-17-7 | P | | REACH SVHC/ANNEX XVII German TRGS 614 Reg.(EC) No 1272/2008 |
| 215 | 1alpha,2alpha,3alpha,4beta,5alpha,6beta)- 1,2,3,4,5,6-Hexachlorocyclohexane | ヘキサクロシクロヘキサン | 319-86-8 | P | | Stockholm convention Reg.(EC) No 1272/2008 GefStoffV with ANNEX IV Nr.5 JPN CSCL Class 1 substance |
| 216 | Pentadecafluorooctanoic acid (PFOA) | パーフルオロオクタン酸 | 678-41-1 | P | | Stockholm convention REACH ANNEX XVII Reg.(EC) No.1272/2008 |
| 217 | 1,2-Dichloroethane; ethylene dichloride | 1,2-ジクロロエタン | 107-06-2 | P | 0.01% or Not intentionally added | REACH Annex XIV Reg.(EC) No 1272/2008 |
| 218 | Hydrazine hydrate | ヒドラジン水和物 | 7803-57-8 | P | | REACH SVHC |
| 219 | chromium hexacarbonyl | クロムカルボニル | 13007-92-6 | P | 0.1% or ELV exemption | REACH Annex XIV Reg.(EC) No 1272/2008 EU-D 2000/53/EEC JAMA volubtary regulation Korean Recycling Law Voluntary restraint Taiwan scrap Vehicle recycling industry |
| 220 | calcium chromate | クロム酸カルシウム・2水和物 | 10060-08-9 | P | 0.1% or ELV exemption | REACH Annex XIV Reg.(EC) No 1272/2008 EU-D 2000/54/EEC JAMA volubtary regulation Korean Recycling Law Voluntary restraint Taiwan scrap Vehicle recycling industry |
| 221 | Chromate (CrO4 ²⁻) | クロム酸ジアニオン | 13907-45-4 | P | 0.1% or ELV exemption | REACH Annex XIV Reg.(EC) No 1272/2008 EU-D 2000/55/EEC JAMA volubtary regulation Korean Recycling Law Voluntary restraint Taiwan scrap Vehicle recycling industry |
| 222 | Chromate(2-), [2-[[[4-hydroxy-3-[[[2- hydroxyphenyl)methylene]amino]p... | - | 85407-92-7 | P | 0.1% or ELV exemption | REACH Annex XIV Reg.(EC) No 1272/2008 EU-D 2000/56/EEC JAMA volubtary regulation Korean Recycling Law Voluntary restraint Taiwan scrap Vehicle recycling industry |

Table2 GADSL listing outside independent prohibited substance list

P#: Prohibited substance. However, Mitsuba may not require changeover of certain prohibited substances depending on type, customer, destination, and/or usage of products concerned.

| No. | Substance (物質名) | 物質名(和名) *ミツバ追記 | CAS-No. | Mitsuba's Classification (ミツバ管理区分) | Threshold (閾値) | Source (Legal requirements, regulations), specified condition (法的必要条件、法規定、特定条件) |
|-----|--|---|------------|--|-----------------------|--|
| 223 | Disodium (2-hydroxy-3-((2-hydroxy-1-naphthyl)azo)-5-nitrobenzene-1-sulphonato(3-))1- ((2-hydroxy-4-nitrophenyl)azo)-2-naphtholato(2- | - | 84145-95-9 | P | 0.1% or ELV exemption | REACH Annex XIV Reg. (EC) No 1272/2008 EU-D 2000/57/EEC JAMA voluntary regulation Korean Recycling Law Voluntary restraint Taiwan scrap Vehicle recycling industry |
| 224 | Disodium (4-hydroxy-3-((2-hydroxy-4-nitrophenyl)azo)naphthalene-1-sulphonato(3-))1- ((2-hydroxy-4-nitrophenyl)azo)-2-naphtholato(2-))chromate(2-) | - | 68541-71-9 | P | 0.1% or ELV exemption | REACH Annex XIV Reg. (EC) No 1272/2008 EU-D 2000/58/EEC JAMA voluntary regulation Korean Recycling Law Voluntary restraint Taiwan scrap Vehicle recycling industry |
| 225 | N-methylacetamide | N-メチルアセトアミド | 1320-47-4 | P | | REACH SVHC |
| 226 | Cyclododecane | シクロドデカン | 294-62-2 | P | | REACH SVHC proposal |
| 227 | C.I. Disperse Yellow 7, C.I.26090 | C.I.ディスパーズイエロー7 | 67701-38-6 | P | | REACH SVHC/ANNEX XVII German TRGS 614 Reg.(EC) No 1272/2008 |
| 228 | 4,4'-Methylenedi-o-toluidine | 4,4'-ジアミノ-3,3'-ジメチルジフェニルメタン | 838-88-0 | P | | REACH SVHC/ANNEX XVII German TRGS 614 Reg.(EC) No 1272/2008 |
| 229 | 4,4'-Oxydianiline | 4,4'-ジアミノジフェニルエーテル | 101-80-4 | P | | REACH SVHC/ANNEX XVII German TRGS 614 Reg.(EC) No 1272/2008 |
| 230 | 4,4'-Thiodianiline | ビス(4-アミノフェニル) スルフィド | 139-65-1 | P | | REACH SVHC/ANNEX XVII German TRGS 614 Reg.(EC) No 1272/2008 |
| 231 | 4-Chloraniline | 4-クロロアニリン | 106-47-8 | P | | REACH SVHC/ANNEX XVII German TRGS 614 Reg.(EC) No 1272/2008 |
| 232 | 4-Chloro-o-toluidine | 2-アミノ-5-クロロトルエン | 95-69-2 | P | | REACH SVHC/ANNEX XVII German TRGS 614 Reg.(EC) No 1272/2008 |
| 233 | 4-Methoxy-m-phenylenediamine | 2,4-ジアミノアニソール | 615-05-4 | P | | REACH SVHC/ANNEX XVII German TRGS 614 Reg.(EC) No 1272/2008 |
| 234 | 4-Methyl-m-phenylenediamine | 2,4-ジアミノトルエン | 95-80-7 | P | | REACH SVHC/ANNEX XVII German TRGS 614 Reg.(EC) No 1272/2008 |
| 235 | 5-Nitro-o-toluidine | 2-メチル-5-ニトロアニリン | 99-55-8 | P | | REACH SVHC/ANNEX XVII German TRGS 614 Reg.(EC) No 1272/2008 |
| 236 | o-Aminoazotoluene | 2-アミノアゾトルエン | 97-56-3 | P | | REACH SVHC/ANNEX XVII German TRGS 614 Reg.(EC) No 1272/2008 |
| 237 | o-Anisidine | o-アニシジン | 90-04-0 | P | | REACH SVHC/ANNEX XVII German TRGS 614 Reg.(EC) No 1272/2008 |
| 238 | p-Cresidine | 2-メトキシ-5-メチルアニリン | 120-71-8 | P | | REACH SVHC/ANNEX XVII German TRGS 614 Reg.(EC) No 1272/2008 |
| 239 | 4-Aminoazobenzene | 4-アミノアゾベンゼン | 60-09-3 | P | | REACH SVHC/ANNEX XVII German TRGS 614 Reg.(EC) No 1272/2008 |
| 240 | [1,1'-Biphenyl]-2,4,4'-triamine | 1,1'-ビフェニル-2,4,4'-トリアミン | 2835-69-0 | P | | REACH SVHC/ANNEX XVII German TRGS 614 Reg.(EC) No 1272/2008 |
| 241 | tetrasodium 5-benzamido-3-(5-(4-fluoro-6-(1-sulphonato-2-naphthylamino)-1,3,5-triazin-2-ylamino)-2-sulphonatophenylazo)-4-hydroxynaphthalene-2,7- disulphonate | 5-ベンゾイルアミノ-3-[5-[4-フルオロ-6-(1-ソジオスルホ-2-ナフチルアミノ)-1,3,5-トリアジン-2-イルアミノ]-2-ソジオスルホフェニルアゾ]-4-ヒドロキシ-2,7-ナフタレンジスルホン酸ジナトリウム | 85665-97-0 | P | | REACH SVHC/ANNEX XVII German TRGS 614 Reg.(EC) No 1272/2008 |
| 242 | N-(4-(1,1,3,3-tetramethylbutyl)phenyl)-1-naphthylamine | N-(4-(1,1,3,3-テトラメチルブチル)フェニル)-1-ナフチルアミン | 4572-51-4 | P | | REACH SVHC/ANNEX XVII German TRGS 614 Reg.(EC) No 1272/2008 |
| 243 | 2-aminonaphthalene-1-sulphonic acid | 2-アミノ-1-ナフタレンスルホン酸 | 81-16-3 | P | | REACH SVHC/ANNEX XVII German TRGS 614 Reg.(EC) No 1272/2008 |
| 244 | 3,3'-dimethoxybiphenyl-4,4'-ylenediammonium dichloride | 3,3'-ジメトキシベンジジン二塩酸塩 | 20325-40-0 | P | | REACH SVHC/ANNEX XVII German TRGS 614 Reg.(EC) No 1272/2008 |
| 245 | Acetamide, N-(2-((2-bromo-4,6-dinitrophenyl)azo)-5-(diethylamino)phenyl)- | 2-(アセチルアミノ)-2'-ブromo-4-(ジエチルアミノ)-4',6'-ジニトロアゾベンゼン | 52697-38-8 | P | | REACH SVHC/ANNEX XVII German TRGS 614 Reg.(EC) No 1272/2008 |
| 246 | Bis(arsenic acid) monohydrate | ヒ酸(1/2水塩) | 7774-41-6 | P | | REACH ANNEX XIV Recommendation |
| 247 | Nitrobenzene | ニトロベンゼン | 98-95-3 | P | | REACH SVHC |
| 248 | N,N'-dimethylbenzidine | N,N'-ジメチルベンジジン | 2810-74-4 | P | | REACH ANNEX XVII Canadian Toxic Substances Regulation2005 |
| 249 | benzyl chloride (alpha-chlorotoluene ; chloromethylbenzene) | 塩化ベンジル | 100-44-7 | P | | PACT Reg.(EC) No 1272/2008 |
| 250 | 4,4'-bis(dimethylamino)benzophenone (Michler's ketone) | 4,4'-ビス(ジメチルアミノ)ベンゾフェノン | 90-94-8 | P | | REACH SVHC Reg.(EC) No 1272/2008 |
| 251 | o,p'-DDE (1-chloro-2-(2,2-dichloro-1-(4-chlorophenyl)ethenyl)benzene ; 2,2,o,p'-tetrachlorovinylidenebisbenzene) | 1-クロロ-2-[2,2-ジクロロ-1-(4-クロロフェニル)エニル]ベンゼン | 3424-82-6 | P | | - |
| 252 | o,p'-DDD (Mitotane ; 1,1-dichloro-2,2-bis(2,4'-dichlorophenyl)ethane) | - | 53-19-0 | P | | - |
| 253 | Chloromethane | クロロメタン | 74-87-3 | P | | - |
| 254 | 1,3,5-Trichlorobenzene | 1,3,5-トリクロロベンゼン | 108-70-3 | P | | REACH SVHC proposal |
| 255 | 1,2,3-Trichlorobenzene | 1,2,3-トリクロロベンゼン | 87-61-6 | P | | REACH SVHC proposal |

Table2 GADSL listing outside independent prohibited substance list

P#: Prohibited substance. However, Mitsuba may not require changeover of certain prohibited substances depending on type, customer, destination, and/or usage of products concerned.

| No. | Substance (物質名) | 物質名(和名) *ミツバ追記 | CAS-No. | Mitsuba's Classification (ミツバ管理区分) | Threshold (閾値) | Source (Legal requirements, regulations), specified condition (法的必要条件、法規定、特定条件) |
|-----|--|----------------------------------|--------------|--|-------------------|---|
| 256 | Chloromethyl methyl ether (CMME) | クロロメチルメチルエーテル | 107-30-2 | P | | Published in Canada Gazette Part II. 2006-11-29 Vol. 140 ,No,25 Reg.(EC) No 1272/2008 |
| 257 | Henicosfluoroundecanoic acid | - | 110961-38-1 | P | | REACH SVHC |
| 258 | cis-cyclohexane-1,2-dicarboxylic anhydride | cis-1,2-シクロヘキサンジカルボン酸無水物 | 13149-00-3 | P | | REACH SVHC |
| 259 | trans-cyclohexane-1,2-dicarboxylic anhydride | (±)-trans-1,2-シクロヘキサンジカルボン酸無水物 | 14166-21-3 | P | | REACH SVHC |
| 260 | dibutylbis(nonanoyloxy)stannane | ジブチルビス[(1-オキソノニル)オキシ]すず(IV) | 25955-19-5 | P | | (EU)No 276/2010 REACH ANNEX XVII |
| 261 | ugilec 121 (p,p'-dichlorodiphenyl ethane); Benzene, 1,1- ethylidenebis(4-chloro- | 1,1'-エチリデンビス(4-クロロベンゼン) | 3547-04-4 | P | 0% | Stockholm convention Reg.(EC) No 1272/2008 |
| 262 | 1,2-Diethoxyethane | 1,2-ジエトキシエタン | 629-14-1 | P | | REACH SVHC Reg.(EC) No 1272/2008 |
| 263 | Diethyl sulphate | 硫酸ジエチル | 64-67-5 | P | | REACH SVHC Reg.(EC) No 1272/2008 |
| 264 | Dimethyl sulphate | 硫酸ジメチル | 77-78-1 | P | | REACH SVHC Reg.(EC) No 1272/2008 |
| 265 | N,N-dimethylformamide | N,N-ジメチルホルムアミド | 15175-63-0 | P | | REACH ANNEX XIV Recommendation |
| 266 | N,N-dimethylformamide | N,N-ジメチルホルムアミド | 15175-77-6 | P | | REACH ANNEX XIV Recommendation |
| 267 | N,N-dimethylformamide | N,N-ジメチルホルムアミド | 33513-42-7 | P | | REACH ANNEX XIV Recommendation |
| 268 | N,N-dimethylformamide | N,N-ジメチルホルムアミド | 114057-15-7 | P | | REACH ANNEX XIV Recommendation |
| 269 | Dinitrotoluene | ジニトロトルエン | 25321-14-6 | P | | Reg.(EC) No 1272/2009 |
| 270 | 2-ethylhexyl 4-methoxycinnamate | 4-メトキシヘキシル2-エチルヘキシル | 5466-77-3 | P | | - |
| 271 | 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3- oxazolidine | 3-エチル-2-イソペンチル-2-メチル-1,3-オキサゾリジン | 143860-04-2 | P | | REACH SVHC Reg.(EC) No 1272/2008 |
| 272 | Formamide | ホルムアミド | 75-12-7 | P | | REACH SVHC Reg.(EC) No 1272/2008 |
| 273 | Furan | フラン | 110-00-9 | P | | REACH SVHC Reg.(EC) No 1272/2008 |
| 274 | 1-Methyl-3-nitro-1-nitrosoguanidine | N-メチル-N'-ニトロ-N-ニトロソグアニジン | 70-25-7 | P | | |
| 275 | 4-Heptylphenol, branched and linear | 4-ヘプタン-4-イルフェノール | 6465-71-0 | P | | REACH SVHC |
| 276 | 4-Heptylphenol, branched and linear | 4-ヘプタン-4-イルフェノール | 6465-74-3 | P | | REACH SVHC |
| 277 | 4-Heptylphenol, branched and linear | 4-ヘプタン-4-イルフェノール | 6863-24-7 | P | | REACH SVHC |
| 278 | 4-Heptylphenol, branched and linear | 4-ヘプタン-4-イルフェノール | 1987-50-4 | P | | REACH SVHC |
| 279 | 4-Heptylphenol, branched and linear | 4-ヘプタン-4-イルフェノール | 72624-02-3 | P | | REACH SVHC |
| 280 | 4-Heptylphenol, branched and linear | 4-ヘプタン-4-イルフェノール | 1824346-00-0 | P | | REACH SVHC |
| 281 | 4-Heptylphenol, branched and linear | 4-ヘプタン-4-イルフェノール | 1139800-98-8 | P | | REACH SVHC |
| 282 | 4-Heptylphenol, branched and linear | 4-ヘプタン-4-イルフェノール | 911371-07-8 | P | | REACH SVHC |
| 283 | 4-Heptylphenol, branched and linear | 4-ヘプタン-4-イルフェノール | 911371-06-7 | P | | REACH SVHC |
| 284 | 4-Heptylphenol, branched and linear | 4-ヘプタン-4-イルフェノール | 911370-98-4 | P | | REACH SVHC |
| 285 | 4-Heptylphenol, branched and linear | 4-ヘプタン-4-イルフェノール | 861011-60-1 | P | | REACH SVHC |
| 286 | 4-Heptylphenol, branched and linear | 4-ヘプタン-4-イルフェノール | 861010-65-3 | P | | REACH SVHC |
| 287 | 4-Heptylphenol, branched and linear | 4-ヘプタン-4-イルフェノール | 857629-71-1 | P | | REACH SVHC |
| 288 | 4-Heptylphenol, branched and linear | 4-ヘプタン-4-イルフェノール | 854904-93-1 | P | | REACH SVHC |
| 289 | 4-Heptylphenol, branched and linear | 4-ヘプタン-4-イルフェノール | 854904-92-0 | P | | REACH SVHC |
| 290 | 4-Heptylphenol, branched and linear | 4-ヘプタン-4-イルフェノール | 102570-52-5 | P | | REACH SVHC |
| 291 | 4-Heptylphenol, branched and linear | 4-ヘプタン-4-イルフェノール | 100532-36-3 | P | | REACH SVHC |
| 292 | 4-Heptylphenol, branched and linear | 4-ヘプタン-4-イルフェノール | 72861-06-4 | P | | REACH SVHC |
| 293 | 4-Heptylphenol, branched and linear | 4-ヘプタン-4-イルフェノール | 71945-81-8 | P | | REACH SVHC |
| 294 | 4-Heptylphenol, branched and linear | 4-ヘプタン-4-イルフェノール | 33104-11-9 | P | | REACH SVHC |
| 295 | 4-Heptylphenol, branched and linear | 4-ヘプタン-4-イルフェノール | 37872-24-5 | P | | REACH SVHC |
| 296 | 4-Heptylphenol, branched and linear | 4-ヘプタン-4-イルフェノール | 30784-32-8 | P | | REACH SVHC |
| 297 | 4-Heptylphenol, branched and linear | 4-ヘプタン-4-イルフェノール | 30784-31-7 | P | | REACH SVHC |
| 298 | 4-Heptylphenol, branched and linear | 4-ヘプタン-4-イルフェノール | 30784-27-1 | P | | REACH SVHC |
| 299 | Hexahydro-2-benzofuran-1,3-dione (HHPA), cis- cyclohexane-1,2-dicarboxylic anhydride, trans- cyclohexane-1,2-dicarboxylic anhydride | - | 102483-85-2 | P | | REACH SVHC |
| 300 | Hexahydro-2-benzofuran-1,3-dione (HHPA), cis- cyclohexane-1,2-dicarboxylic anhydride, trans- cyclohexane-1,2-dicarboxylic anhydride | - | 109265-67-0 | P | | REACH SVHC |
| 301 | Hexahydro-2-benzofuran-1,3- dione (HHPA), cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2- dicarboxylic anhydride | - | 111720-41-3 | P | | REACH SVHC |
| 302 | Hexahydro-2-benzofuran-1,3- dione (HHPA), cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2- dicarboxylic anhydride | - | 117276-22-9 | P | | REACH SVHC |
| 303 | Hexahydro-2-benzofuran-1,3- dione (HHPA), cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2- dicarboxylic anhydride | - | 127946-28-5 | P | | REACH SVHC |
| 304 | Hexahydro-2-benzofuran-1,3- dione (HHPA), cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2- dicarboxylic anhydride | - | 128049-67-2 | P | | REACH SVHC |
| 305 | Hexahydro-2-benzofuran-1,3- dione (HHPA), cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2- dicarboxylic anhydride | - | 201815-17-0 | P | | REACH SVHC |
| 306 | Hexahydro-2-benzofuran-1,3- dione (HHPA), cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2- dicarboxylic anhydride | - | 279240-32-3 | P | | REACH SVHC |
| 307 | Hexahydro-2-benzofuran-1,3- dione (HHPA), cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2- dicarboxylic anhydride | - | 634193-83-2 | P | | REACH SVHC |
| 308 | Hexahydro-2-benzofuran-1,3- dione (HHPA), cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2- dicarboxylic anhydride | - | 743438-36-0 | P | | REACH SVHC |

Table2 GADSL listing outside independent prohibited substance list

P#: Prohibited substance. However, Mitsuba may not require changeover of certain prohibited substances depending on type, customer, destination, and/or usage of products concerned.

| No. | Substance (物質名) | 物質名(和名) *ミツバ追記 | CAS-No. | Mitsuba's Classification (ミツバ管理区分) | Threshold (閾値) | Source (Legal requirements, regulations), specified condition (法的必要条件、法規定、特定条件) |
|-----|---|--------------------------|--------------------------|--|-------------------|--|
| 309 | Hexahydro-2-benzofuran-1,3-dione (HHPA), cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride | - | 95327-28-9 | P | | REACH SVHC |
| 310 | Hexahydro-2-benzofuran-1,3-dione (HHPA), cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride | - | 97233-90-4 | P | | REACH SVHC |
| 311 | Hexamethylphosphoric-triamide | ヘキサメチルりん酸トリアミド | 680-31-9 | P | | Reg.(EC) No 1272/2008 |
| 312 | Methoxy acetic acid | メトキシ酢酸 | 625-45-6 | P | | REACH SVHC Reg.(EC) 1272/2008 |
| 313 | Zirconia Aluminosilicate Refractory Ceramic Fibres | ジルコニアのアルミノケイ酸塩の耐火セラミック繊維 | EU Index 650-017-00-8 | P | | REACH ANNEX XIV recommendation WHO for definition of respirable fiber, and IARC monograph81,2002, for Man-Made vitreous fibers Canada Gazette Vol. 140, No.49-December 9.2006(Canadian challenge) |
| 314 | 2-naphthylammonium chloride | 2-ナフタレンアミン・塩酸塩 | 612-52-2 | P | | REACH ANNEX XV II |
| 315 | Phenol, nonyl-, branched | ノニルフェノール(分岐) | 90481-04-2 | P | | REACH ANNEX XV II |
| 316 | Perfluorohexane-1-sulphonic acid and its salts | パーフルオロヘキサン-1-スルフォニル酸とその塩 | 421555-73-9 | P | 0% | Stockholm convention proposal REACH SVHC |
| 317 | Perfluorohexane-1-sulphonic acid and its salts | パーフルオロヘキサン-1-スルフォニル酸とその塩 | 421555-74-0 | P | 0% | Stockholm convention proposal REACH SVHC |
| 318 | Perfluorohexane-1-sulphonic acid and its salts | パーフルオロヘキサン-1-スルフォニル酸とその塩 | 425670-70-8 | P | 0% | Stockholm convention proposal REACH SVHC |
| 319 | Perfluorohexane-1-sulphonic acid and its salts | パーフルオロヘキサン-1-スルフォニル酸とその塩 | 70136-72-0 | P | 0% | Stockholm convention proposal REACH SVHC |
| 320 | Perfluorohexane-1-sulphonic acid and its salts | パーフルオロヘキサン-1-スルフォニル酸とその塩 | 866621-50-3 | P | 0% | Stockholm convention proposal REACH SVHC |
| 321 | Perfluorohexane-1-sulphonic acid and its salts | パーフルオロヘキサン-1-スルフォニル酸とその塩 | 910606-39-2 | P | 0% | Stockholm convention proposal REACH SVHC |
| 322 | Perfluorohexane-1-sulphonic acid and its salts | パーフルオロヘキサン-1-スルフォニル酸とその塩 | 911027-68-4 | P | 0% | Stockholm convention proposal REACH SVHC |
| 323 | Perfluorohexane-1-sulphonic acid and its salts | パーフルオロヘキサン-1-スルフォニル酸とその塩 | 911027-69-5 | P | 0% | Stockholm convention proposal REACH SVHC |
| 324 | Perfluorohexane-1-sulphonic acid and its salts | パーフルオロヘキサン-1-スルフォニル酸とその塩 | 928049-42-7 | P | 0% | Stockholm convention proposal REACH SVHC |
| 325 | Perfluorohexane-1-sulphonic acid and its salts | パーフルオロヘキサン-1-スルフォニル酸とその塩 | 108427-54-9 | P | 0% | Stockholm convention proposal REACH SVHC |
| 326 | Perfluorohexane-1-sulphonic acid and its salts | パーフルオロヘキサン-1-スルフォニル酸とその塩 | 108427-55-0 | P | 0% | Stockholm convention proposal REACH SVHC |
| 327 | Perfluorohexane-1-sulphonic acid and its salts | パーフルオロヘキサン-1-スルフォニル酸とその塩 | 72033-41-1 | P | 0% | Stockholm convention proposal REACH SVHC |
| 328 | Perfluorohexane-1-sulphonic acid and its salts | パーフルオロヘキサン-1-スルフォニル酸とその塩 | 1310480-24-0 | P | 0% | Stockholm convention proposal REACH SVHC |
| 329 | Perfluorohexane-1-sulphonic acid and its salts | パーフルオロヘキサン-1-スルフォニル酸とその塩 | 92011-17-1 | P | 0% | Stockholm convention proposal REACH SVHC |
| 330 | Perfluorohexane-1-sulphonic acid and its salts | パーフルオロヘキサン-1-スルフォニル酸とその塩 | 1310480-27-3 | P | 0% | Stockholm convention proposal REACH SVHC |
| 331 | Perfluorohexane-1-sulphonic acid and its salts | パーフルオロヘキサン-1-スルフォニル酸とその塩 | 1310480-28-4 | P | 0% | Stockholm convention proposal REACH SVHC |
| 332 | Perfluorohexane-1-sulphonic acid and its salts | パーフルオロヘキサン-1-スルフォニル酸とその塩 | 189274-31-5 | P | 0% | Stockholm convention proposal REACH SVHC |
| 333 | Perfluorohexane-1-sulphonic acid and its salts | パーフルオロヘキサン-1-スルフォニル酸とその塩 | 202189-84-2 | P | 0% | Stockholm convention proposal REACH SVHC |
| 334 | Perfluorohexane-1-sulphonic acid and its salts | パーフルオロヘキサン-1-スルフォニル酸とその塩 | 144116-10-9 | P | 0% | Stockholm convention proposal REACH SVHC |
| 335 | Perfluorohexane-1-sulphonic acid and its salts | パーフルオロヘキサン-1-スルフォニル酸とその塩 | 1462414-59-0 | P | 0% | Stockholm convention proposal REACH SVHC |
| 336 | Perfluorohexane-1-sulphonic acid and its salts | パーフルオロヘキサン-1-スルフォニル酸とその塩 | 153443-35-7 | P | 0% | Stockholm convention proposal REACH SVHC |
| 337 | Perfluorohexane-1-sulphonic acid and its salts | パーフルオロヘキサン-1-スルフォニル酸とその塩 | 213740-81-9 | P | 0% | Stockholm convention proposal REACH SVHC |
| 338 | Perfluorohexane-1-sulphonic acid and its salts | パーフルオロヘキサン-1-スルフォニル酸とその塩 | 341035-71-0 | P | 0% | Stockholm convention proposal REACH SVHC |
| 339 | Perfluorohexane-1-sulphonic acid and its salts | パーフルオロヘキサン-1-スルフォニル酸とその塩 | 341548-85-4 | P | 0% | Stockholm convention proposal REACH SVHC |
| 340 | Perfluorohexane-1-sulphonic acid and its salts | パーフルオロヘキサン-1-スルフォニル酸とその塩 | 1000597-52-3 | P | 0% | Stockholm convention proposal REACH SVHC |
| 341 | Perfluorohexane-1-sulphonic acid and its salts | パーフルオロヘキサン-1-スルフォニル酸とその塩 | 1187817-57-7 | P | 0% | Stockholm convention proposal REACH SVHC |
| 342 | Perfluorohexane-1-sulphonic acid and its salts | パーフルオロヘキサン-1-スルフォニル酸とその塩 | 350836-93-0 | P | 0% | Stockholm convention proposal REACH SVHC |
| 343 | Perfluorohexane-1-sulphonic acid and its salts | パーフルオロヘキサン-1-スルフォニル酸とその塩 | 1329995-45-0 | P | 0% | Stockholm convention proposal REACH SVHC |
| 344 | Perfluorohexane-1-sulphonic acid and its salts | パーフルオロヘキサン-1-スルフォニル酸とその塩 | 1329995-69-8 | P | 0% | Stockholm convention proposal REACH SVHC |
| 345 | ammonium perfluorohexane-1-sulphonate | パーフルオロヘキサン-1-スルフォニル酸とその塩 | 41184-65-0 | P | 0% | Stockholm convention proposal REACH SVHC |
| 346 | Perfluorohexane-1-sulphonic acid and its salts | パーフルオロヘキサン-1-スルフォニル酸とその塩 | 41242-12-0 | P | 0% | Stockholm convention proposal REACH SVHC |
| 347 | p-(1,1-dimethylpropyl)phenol | 4-tert-アミルフェノール | 80-46-6 | P | | REACH SVHC |
| 348 | 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear | ジイソヘキシル = フタラート | 71850-09-4 | P | | REACH ANNEX XIV recommendation Reg.(EC) No 1272/2008 |
| 349 | hexachlorobiphenyl (2,2',4,4',6,6'-PCB) | ヘキサクロロジフェニル | 33979-03-2 | P | 0% | Stockholm convention JPN CSCL Class 1 substances Reg.(EC) No 552/2009 |
| 350 | Polychlorinated naphthalene; Cyclohexanecarboxylic acid, 4-propyl-, trans- (9CI) | trans-4-プロピルシクロヘキサンカルボン酸 | 38289-27-9 | P | 0% | Stockholm convention CAN Prohibition of Certain Toxic Substances Regulations JPN CSCL Class 1 |

Table2 GADSL listing outside independent prohibited substance list

P#: Prohibited substance. However, Mitsuba may not require changeover of certain prohibited substances depending on type, customer, destination, and/or usage of products concerned.

| No. | Substance (物質名) | 物質名(和名) *ミツバ追記 | CAS-No. | Mitsuba's Classification (ミツバ管理区分) | Threshold (閾値) | Source (Legal requirements, regulations), specified condition (法的必要条件、法規定、特定条件) |
|-----|--|--------------------|-------------|--|-------------------|--|
| 351 | hexachloronaphthalene (Halowax 1014) | ヘキサクロロナフタレン | 1335-87-1 | P | 0% | Stockholm convention CAN Prohibition of Certain Toxic Substances Regulations JPN CSCL Class 1 |
| 352 | tetrachloronaphthalene | テトラクロロナフタレン | 1335-88-2 | P | 0% | Stockholm convention CAN Prohibition of Certain Toxic Substances Regulations JPN CSCL Class 1 |
| 353 | octachloronaphthalene | オクタクロロナフタレン | 2234-13-1 | P | 0% | Stockholm convention CAN Prohibition of Certain Toxic Substances Regulations JPN CSCL Class 1 |
| 354 | chloronaphthalene | クロロナフタレン | 25586-43-0 | P | 0% | Stockholm convention CAN Prohibition of Certain Toxic Substances Regulations JPN CSCL Class 1 |
| 355 | dichloronaphthalene | ジクロロナフタレン | 28699-88-9 | P | 0% | Stockholm convention CAN Prohibition of Certain Toxic Substances Regulations JPN CSCL Class 1 |
| 356 | heptachloronaphthalene | ヘプタクロロナフタレン | 32241-08-0 | P | 0% | Stockholm convention CAN Prohibition of Certain Toxic Substances Regulations JPN CSCL Class 1 |
| 357 | polychlorinatedtriphenyl(aroclor5442) | ポリ塩化ナフタレン | 12642-23-8 | P | 0.005% | REACH ANNEX XV II |
| 358 | Benz(a)anthracene | ジベンゾ[a,h]アントラセン | 1718-53-3 | P | | REACH SVHC Reg.(EC) 1272/2008 |
| 359 | Chrysene | クリセン | 1719-03-5 | P | | REACH SVHC |
| 360 | Anthracene oil, anthracene paste, distn. Lights | フタル酸ジソブチル | 91995-17-4 | P | | REACH SVHC Reg.(EC) 1272/2008 |
| 361 | Anthracene oil, anthracene paste, anthracene fraction | アントラセン油 | 91995-15-2 | P | | REACH SVHC Reg.(EC) 1272/2009 |
| 362 | Anthracene oil, anthracene-low | アントラセン油 | 90640-82-7 | P | | REACH SVHC Reg.(EC) 1272/2010 |
| 363 | Anthracene oil, anthracene paste | アントラセン油 | 90640-81-6 | P | | REACH SVHC Reg.(EC) 1272/2011 |
| 364 | indeno(1,2,3-cd)pyrene | インデノ(1,2,3-cd)ピレン | 193-39-5 | P | 0% | Stockholm convention |
| 365 | Tar acids, coal, crude | タール酸、石炭系 | 65996-85-2 | P | | REACH ANNEX XV II Reg.(EC) 1272.2008 |
| 366 | Creosote oil, acenaphthene fraction; wash oil | クレオソートオイル、アセナフテン留分 | 90640-84-9 | P | | REACH ANNEX XV II Reg.(EC) 1272.2008 |
| 367 | Phenolphthalein | フェノールフタレイン | 77-09-8 | P | | REACH ANNEX XV II Reg.(EC) 1272.2008 |
| 368 | Phenolphthalein | フェノールフタレイン | 390417-24-0 | P | | REACH SVHC Reg.(EC) 1272/2008 |
| 369 | Phenolphthalein | フェノールフタレイン | 467-29-8 | P | | REACH SVHC Reg.(EC) 1272/2008 |
| 370 | Phenolphthalein | フェノールフタレイン | 546094-13-7 | P | | REACH SVHC Reg.(EC) 1272/2008 |
| 371 | Phenolphthalein | フェノールフタレイン | 57214-20-7 | P | | REACH SVHC Reg.(EC) 1272/2008 |
| 372 | Methyloxirane (Propylene oxide) | プロピレンオキシド | 16033-71-9 | P | | REACH SVHC Reg.(EC) 1272/2008 |
| 373 | 1,3-Dioxane, 2-(2,4-dimethyl-3-cyclohexen-1-yl)-5-methyl-5-(1-methylpropyl)- | - | 117933-89-8 | P | | REACH SVHC REACH ANNEX XIV Recommendation |
| 374 | 1,3-Dioxane, 2-[(1S,2S)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis- | - | 676367-02-5 | P | | REACH SVHC REACH ANNEX XIV Recommendation |
| 375 | 1,3-Dioxane, 2-[(1S,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis- | - | 676367-03-6 | P | | REACH SVHC REACH ANNEX XIV Recommendation |
| 376 | 1,3-Dioxane, 2-[(1R,2S)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis- | - | 676367-04-7 | P | | REACH SVHC REACH ANNEX XIV Recommendation |
| 377 | 1,3-Dioxane, 2-[(1R,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis- | - | 676367-05-8 | P | | REACH SVHC REACH ANNEX XIV Recommendation |
| 378 | 1,3-Dioxane, 2-[(1S,2S)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans- | - | 676367-06-9 | P | | REACH SVHC REACH ANNEX XIV Recommendation |
| 379 | 1,3-Dioxane, 2-[(1R,2S)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans- | - | 676367-08-1 | P | | REACH SVHC REACH ANNEX XIV Recommendation |
| 380 | 1,3-Dioxane, 2-[(1R,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans- | - | 676367-09-2 | P | | REACH SVHC REACH ANNEX XIV Recommendation |
| 381 | 1,3-Dioxane, 2-[(1R,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis-rel- | - | 343934-04-3 | P | | REACH SVHC REACH ANNEX XIV Recommendation |
| 382 | 1,3-Dioxane, 2-[(1R,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans-rel- | - | 343934-05-4 | P | | REACH SVHC REACH ANNEX XIV Recommendation |
| 383 | 1,3-Dioxane, 2-(2,4-dimethyl-3-cyclohexen-1-yl)-5-methyl-5-(1-methylpropyl)- | - | 186309-28-4 | P | | REACH SVHC REACH ANNEX XIV Recommendation |
| 384 | 1,3-Dioxane, 2-[(1S,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans- | - | 676367-07-0 | P | | REACH SVHC REACH ANNEX XIV Recommendation |
| 385 | Sodium peroxometaborate | 過ほう酸ナトリウム | 7632-04-4 | P | | REACH ANNEX XIV Recommendation |
| 386 | perboric acid, sodium salt | 過ホウ酸ナトリウム塩 | 11138-47-9 | P | | REACH SVHC REACH ANNEX XIV Recommendation |
| 387 | Sodium perborate | 過ホウ酸ナトリウム塩 | 15120-21-5 | P | | REACH SVHC REACH ANNEX XIV Recommendation |

Table2 GADSL listing outside independent prohibited substance list

P#: Prohibited substance. However, Mitsuba may not require changeover of certain prohibited substances depending on type, customer, destination, and/or usage of products concerned.

| No. | Substance (物質名) | 物質名(和名) *ミツバ追記 | CAS-No. | Mitsuba's Classification (ミツバ管理区分) | Threshold (閾値) | Source (Legal requirements, regulations), specified condition (法的必要条件、法規定、特定条件) |
|-----|---|--|---------------------------|--|--|--|
| 388 | Sodium perborate | 過ホウ酸ナトリウム塩 | 12040-72-1 | P | | REACH SVHC REACH ANNEX XIV Recommendation |
| 389 | Sodium perborate | 過ホウ酸ナトリウム塩 | 10332-33-9 | P | | REACH SVHC REACH ANNEX XIV Recommendation |
| 390 | Sodium perborate | 過ホウ酸ナトリウム塩 | 10486-00-7 | P | | REACH SVHC REACH ANNEX XIV Recommendation |
| 391 | Sodium perborate | 過ホウ酸ナトリウム塩 | 125022-34-6 | P | | REACH SVHC REACH ANNEX XIV Recommendation |
| 392 | Sodium perborate | 過ホウ酸ナトリウム塩 | 13517-20-9 | P | | REACH SVHC REACH ANNEX XIV Recommendation |
| 393 | Sodium perborate | 過ホウ酸ナトリウム塩 | 37244-98-7 | P | | REACH SVHC REACH ANNEX XIV Recommendation |
| 394 | Sodium perborate | 過ホウ酸ナトリウム塩 | 90568-23-3 | P | | REACH SVHC REACH ANNEX XIV Recommendation |
| 395 | Carbon-disulphide | 炭素ジスルไฟド | 75-15-0 | P | | CoRAP |
| 396 | Silicic acid, barium salt, lead-doped | フタル酸ジイソブチル(DIBP) | 68784-75-8 | P | | REACH SVHC |
| 397 | [TEGDME, triglyme] 1,2-bis(2-methoxyethoxy)ethane | トリエチレングリコールジメチルエーテル | 112-49-2 | P | | REACH SVHC Reg(EC) 1272/2008 |
| 398 | tetrabromophthalic anhydride | テトラブロモフタル酸無水物 | 632-79-1 | P | | REACH PACT |
| 399 | o-Toluidine | o-トルイジン | 95-53-4 | P | | REACH SVHC Reg(EC) 1272/2008 |
| 400 | Tributylamine | トリブチルアミン | 102-82-9 | P | | JPN Poisonous and Deleterious Substances Control Law |
| 401 | Trichlorobenzene all isomers | トリクロロベンゼン類 | 12002-48-1 | P | 0% | Stockholm convention |
| 402 | Dibutyltin S,S'-bis(isooctyl mercaptoacetate) Acetic acid, 2,2'- [[dimethylstannylene]bis(thio)]bis-, 1,1'- diisooctyl ester | ジメチルビス[[[6-メチルヘプチルオキシカルボニル)メチル]チオ]スタンナン | 26636-01-1 | P | | (EU) No 276/2010 REACH ANNEX XV II |
| 403 | Cadmium sulphate | 硫酸マンガン(II)-水和物 | 15244-3-6 | P | 0.01% (0,002% for portable batteries) | See " Cadmium and its compounds, all members" REACH SVHC |
| 404 | 1,4-Dichlorobenzene | 1,4-ジクロロベンゼン | 106-46-7 | P | | REACH Annex XVII |
| 405 | technical 1,2,3,4,5,6-hexachlorocyclohexane (HCH mixed isomers) | ヘキサクロロスクロヘキサン | 608-73-1 | P | - | Stockholm convention Reg. (EC) No 1272/2008 GefStoffV with Annex IV Nr. 5 JPN CSCL Class 1 substance |
| 406 | Zirconia Aluminosilicate Refractory Ceramic Fibres | - | EU Index 650- 017-00-8 | P | | REACH Annex XIV recommendation World Health Organization for definition of respirable fiber, and IARC monograph 81,2002,for Man-Made vitreous fibers Canada Gazette Vol. 140, No. 49 - December 9, 2006 (Canadian Challenge) |
| 407 | 1,3-dichloro-1,1,2,2,3,3-hexafluoropropane | 1,3-ジクロロヘキサフルオロプロパン | 662-01-1 | P | | EU-R 2009/1005 EPA ODP class 1 |
| 408 | 2-chloro-1,1,1,2,3,3,3-heptafluoropropane | 2-クロロ-1,1,1,2,3,3,3-ヘプタフルオロプロパン | 76-18-6 | P | | EU-R 2009/1005 EPA ODP class 1 |
| 409 | Dichlorohexafluorocyclobutane | 1,2-ジクロロヘキサフルオロシクロブタン | 356-18-3 | P | | EU-R 2009/1005 EPA ODP class 1 |
| 410 | Chloroheptafluorocyclobutane | - | 377-41-3 | P | | EU-R 2009/1005 EPA ODP class 1 |
| 411 | Acids generated from chromium trioxide and their oligomers | - | - | P | - | REACH Annex XIV Reg. (EC) No 1272/2008 |
| 412 | Oligomers of chromic acid and dichromic acid | - | - | P | - | REACH Annex XIV Reg. (EC) No 1272/2008 |
| 413 | Furfuryl-alcohol | フルフリルアルコール | 98-00-0 | P | | US California Prop 65 |
| 414 | 4,4'-bis(dimethylamino)-4''-(methylamino)trityl | ビス(4-ジメチルアミノフェニル)(4-メチルアミノフェニル) メタノール | 561-41-1 | P | | REACH SVHC |
| 415 | α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) | α,α-ビス[4-(ジメチルアミノ)フェニル]-4-(フェニルアミ ノ)-1-ナフタレンメタノール | 6786-83-0 | P | | REACH SVHC |
| 416 | 1,1 Dichloroethylene | 1,1-ジクロロエチレン | 75-35-4 | P | | REACH Annex XVII Reg. (EC) No 1272/2008 Montreal Protocol; EU Regulation (EC Regulation 2037/2000); US EPA ODS |
| 417 | 1,1,2,2 Tetrachloroethane | 1,1,2,2-テトラクロロエタン | 79-34-5 | P | | REACH Annex XVII |
| 418 | Pentachloroethane | ペンタクロロエタン | 76-01-7 | P | | REACH Annex XVII |
| 419 | 1,2,4 Trichlorobenzene | 1,2,4-トリクロロベンゼン | 120-82-1 | P | | REACH SVHC proposal, REACH Annex XVII |
| 420 | Dicofol | ジコホル | 115-32-2 | P | | Stockholm convention Reg. (EC) No 1272/2008 JPN CSCL Class 1 substances |
| 421 | Tribromodifluoropropane | ジブロモトリフルオロプロパン | 70192-80-2 | P | | Montreal Protocol; EU-R 2009/1005; |
| 422 | 1,2-dichloro-2-fluoropropane | 1,2-ジクロロ-2-フルオロプロパン | 420-97-3 | P | | Montreal Protocol; EU-R 2009/1005; |
| 423 | 2-chloro-1,1,1,3,3,3-hexafluoropropane | 1,1,1,3,3,3-ヘキサフルオロ-2-クロロプロパン | 431-87-8 | P | | Montreal Protocol; EU-R 2009/1005; |
| 424 | t-Dodecanethiol | tert-ドデシルメルカプタン | 25103-58-6 | P | | - |
| 425 | Chlordecone | クロルデコン | 143-50-0 | P | - | Stockholm convention Reg. (EC) No 1272/2008 |
| 426 | HBFC124B1(Bromotetrafluoroethane) | テフルラン | 124-72-1 | P | - | Vienna Treaties |
| 427 | HBFC225B2(Dibromopentafluoropropane) | ブロモヘキサフルオロプロパン | 431-78-7 | P | - | Vienna Treaties |
| 428 | HBFC226B1(Bromohexafluoropropane) | 2-ブロモ-1,1,1,3,3,3-ヘキサフルオロプロパン | 2252-79-1 | P | - | Vienna Treaties |
| 429 | HBFC253B1(Bromotrifluoropropane) | ブロモトリフルオロプロパン | 421-46-5 | P | - | Vienna Treaties |
| 430 | HBFC3302(Dibromotrifluoropropane) | ジブロモトリフルオロプロパン | 70192-83-5 | P | - | Vienna Treaties |
| 431 | 1-Chloro-1-fluoroethane (HCFC-151) | クロロフルオロエタン(HCFC-151) | 1615-75-4 | P | - | Vienna Treaties |
| 432 | HCFC221 (Hexachlorofluoropropane) | ヘキサクロロフルオロプロパン(HCFC-221) | 422-40-2 | P | - | Vienna Treaties |
| 433 | HCFC222 (Pentachlorodifluoropropane) | ペンタクロロジフルオロプロパン(HCFC-222) | 422-49-1 | P | - | Vienna Treaties |
| 434 | HCFC223 (Tetrachlorotrifluoropropane) | テトラクロロトリフルオロプロパン(HCFC-223) | 431-81-2 | P | - | Vienna Treaties |
| 435 | HCFC231 (Pentachlorofluoropropane) | ペンタクロロフルオロプロパン(HCFC-231) | 421-94-3 | P | - | Vienna Treaties |
| 436 | HCFC232 (Tetrachlorodifluoropropane) | テトラクロロジフルオロプロパン(HCFC-232) | 460-89-9 | P | - | Vienna Treaties |
| 437 | HCFC233 (Trichlorotrifluoropropane) | トリクロロトリフルオロプロパン(HCFC-233) | 421-99-8 | P | - | Vienna Treaties |
| 438 | HCFC241 (Tetrachlorofluoropropane) | テトラクロロフルオロプロパン(HCFC-241) | 666-27-3 | P | - | Vienna Treaties |
| 439 | HCFC242 (Trichlorodifluoropropane) | トリクロロジフルオロプロパン(HCFC-242) | 1112-13-6 | P | - | Vienna Treaties |
| 440 | HCFC244 (Chlorotetrafluoropropane) | クロロテトラフルオロプロパン(HCFC-244) | 421-75-0 | P | - | Vienna Treaties |
| 441 | HCFC253 (Chlorotrifluoropropane) | クロロトリフルオロプロパン(HCFC-253) | 421-47-6 | P | - | Vienna Treaties |

Table2 GADSL listing outside independent prohibited substance list

P#: Prohibited substance. However, Mitsuba may not require changeover of certain prohibited substances depending on type, customer, destination, and/or usage of products concerned.

| No. | Substance (物質名) | 物質名(和名) *ミツバ追記 | CAS-No. | Mitsuba's Classification (ミツバ管理区分) | Threshold (閾値) | Source (Legal requirements, regulations), specified condition (法的必要条件、法規定、特定条件) |
|-----|--|---|-------------|--|----------------------------------|--|
| 442 | HCFC262 (Chlorodifluoropropane) | クロロジフルオロプロパン(HCFC-262) | 420-99-5 | P | - | Vienna Treaties |
| 443 | CFC112 (Tetrachlorodifluoroethane) | テトラクロロジフルオロエタン | 28605-74-5 | P | - | Vienna Treaties |
| 444 | CFC212 (Hexachlorodifluoropropane) | ヘキサクロロジフルオロプロパン(CFC-212) | 661-96-1 | P | - | Vienna Treaties |
| 445 | CFC213 (Pentachlorotrifluoropropane) | ペンタクロロトリフルオロプロパン(CFC-213) | 1652-89-7 | P | - | Vienna Treaties |
| 446 | Other Brominated Flame Retardants | その他の臭素化難燃剤 | - | D/P | Biocide usage: "-" | Reg. (EU) No 528/2012 |
| 447 | Aldrin | アルドリン | 309-00-2 | P | - | Stockholm convention Reg. (EC) No 1272/2008 JPN CSCL Class 1 substances |
| 448 | Dieldrin | ディルドリン | 60-57-1 | P | - | Stockholm convention Reg. (EC) No 1272/2008 JPN CSCL Class 1 substances |
| 449 | Endrin | エンドリン | 72-20-8 | P | - | Stockholm convention Reg. (EC) No 1272/2008 JPN CSCL Class 1 substances |
| 450 | DichlorodiPhenyltrichloroethane[DDT] | p,p'-ジクロロジフェニルトリクロロエタン | 50-29-3 | P | - | Stockholm convention Reg. (EC) No 1272/2008 JPN CSCL Class 1 substances |
| 451 | Chlordane | クロルデン(unspecified isomers) | 57-74-9 | P | - | Stockholm convention Reg. (EC) No 1272/2008 JPN CSCL Class 1 substances |
| 452 | Heptachlor | ヘプタクロル | 76-44-8 | P | - | Stockholm convention Reg. (EC) No 1272/2008 |
| 453 | Toxaphene | カンフェクロル | 8001-35-2 | P | - | Stockholm convention Reg. (EC) No 1272/2008 JPN CSCL Class 1 substances |
| 454 | Hexachlorocyclohexane | α-ヘキサクロシクロヘキサン | 319-84-6 | P | - | Stockholm convention Reg. (EC) No 1272/2008 JPN CSCL Class 1 substances |
| 455 | Pentachlorobenzenethiol | ペンタクロロベンゼンチオール | 133-49-3 | P | 0.1% | TSCA Section 6(h) https://www.epa.gov/newsreleases/epa-acts-new-chemical-law-fast-track-five-chemicals-0 |
| 456 | Distillates(Coal tar), Heavy oils | - | 90640-86-1 | P | 0.1% | - |
| 457 | Distillates(Coal tar), Pitch Distn. | - | 92061-94-4 | P | 0.1% | - |
| 458 | Distillates(Coal tar), Heavy oils, Pyrene fraction | - | 91995-42-5 | P | 0.1% | - |
| 459 | Distillates(Coal tar), Pitch, Pyrene fraction | - | 91995-52-7 | P | 0.1% | - |
| 460 | Endosulfan | エンドスルファン | 115-29-7 | P | - | Stockholm convention |
| 461 | 1-bromopropane | 1-ブロモプロパン | 106-94-5 | P | 0.01% or Not intentionally added | REACH Annex XIV Reg. (EC) No 1272/2008 |
| 462 | 2-methoxy-1-propanol acetate | 2-メトキシ-1-プロパノールアセテート | 70657-70-4 | P | 0.1% | Reg. (EC) No 1272/2008 |
| 463 | Anthracene oil | アントラセン油 | 90640-80-5 | P | 0.01% or Not intentionally added | REACH Annex XIV Reg. (EC) No 1272/2008 |
| 464 | (4-chlorophenyl)(cyclopropyl)methanone O-(4-nitrobenzyl)oxime | 4-クロロフェニル-(シクロプロピル)メタン-0-(4-ニトロベンジル)オキシム | 94097-88-8 | P | 0% | http://www.canlii.org/en/ca/laws/regu/sor-2012-285/latest/sor-2012-285.html |
| 465 | n-Hexane | ノルマルヘキサン | 110-54-3 | D/P | 5.0% | US California Prop 65 CoRAP |
| 466 | TBBA carbonate oligomer, phenoxy end capped | BC-52テトラプロモビスフェノールA | 94334-64-2 | P | 0.1% | - |
| 467 | Antimony oxide (Sb2O3), mixed with arsenic oxide (As2O3) | 酸化アンチモン(Sb2O3)と酸化ヒ素(As2O3)の混合物 | 68951-38-2 | D/P | 0.1% | REACH Annex XVII |
| 468 | Arsenate, dimethyl, sodium | カゴジル酸ナトリウム三水和物 | 6131-99-3 | D/P | 0.1% | REACH Annex XVII |
| 469 | Arsenous trifluoride | 三フッ化ヒ素 | 7784-35-2 | D/P | 0.1% | REACH Annex XVII |
| 470 | Cyclohexane | シクロヘキサン | 110-82-7 | D/P | 0.1% | REACH Annex XVII |
| 471 | Further Arsenic compounds | その他のヒ素化合物 | - | D/P | Biocide usage: "-" | Reg. (EU) No 528/2012 |
| 472 | 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated - covering well-defined substances and UVCB substances, polymers and homologues | - | - | D/P | Biocide usage: "-" | Reg. (EU) No 528/2012 |
| 473 | Vinyl chloride | 塩化ビニルモノマー | 75-01-4 | P | - | - |
| 474 | 1,1,2,2,3-Pentafluoropropane | 1,1,2,2,3-ペンタフルオロプロパン(HFC-245ca) | 679-86-7 | P | - | - |
| 475 | Endosulfan sulfate | エンドスルファンサルフェート | 1031-07-8 | P | - | Stockholm convention |
| 476 | Beta-endosulfan(hexachloro 5-norbornene-2,3-demethanol, cyclic sulfite,endo-) | β-ベンゾエピン | 33213-65-9 | P | - | Stockholm convention |
| 477 | Endosulfan | α-ベンゾエピン | 959-98-8 | P | - | Stockholm convention |
| 478 | 2-[4-(2,4,4-Trimethylpentan-2-yl)phenoxy]ethanol | 2-[2-[4-(1,1,3,3-テトラメチルブチル)フェノキシ]エトキシ]エタノール | 2315-61-9 | P | 0.01 or Not intentionally added | REACH Annex XIV |
| 479 | Oxirane, 2-methyl-, polymer with oxirane, bis(2-oxiranylmethyl) ether | ニクロム酸ナトリウム | 9081-99-6 | P | 0.01 or Not intentionally added | REACH Annex XIV |
| 480 | 20-[4-(2,4,4-Trimethylpentan-2-yl)phenoxy]-3,6,9,12,15,18-hexaioxaisan-1-ol | 20-(4-tert-オクチルフェノキシ)-3,6,9,12,15,18-ヘキサオキサイソサン-1-オール | 2497-59-8 | P | 0.01 or Not intentionally added | REACH Annex XIV |
| 481 | Titanium dioxide | 酸化チタン(IV) | 13463-67-7 | D/P | Biocide usage: "-" | Reg. (EU) No 528/2012 |
| 482 | Lead, bis(octadecanoato)dioxtri- | ジオキソビス(ステアリン酸)三鉛 | 12565-18-3 | P | 0.1* or ELV exemption | * For EU, further restrictions conditions set out in REACH restriction entry n°63 |
| 483 | Dichlorodiphenyltrichloroethane | o,p'-ジクロロジフェニルトリクロロエタン | 789-02-6 | P | 0.1% | http://www.canlii.org/en/ca/laws/regu/sor-2012-285/latest/sor-2012-285.html |
| 484 | Tris (4-isopropylphenyl) phosphate | リン酸トリス(P-クメニル) | 26967-76-0 | P | 0% | TSCA Section 6(h) https://www.epa.gov/newsreleases/epa-acts-new-chemical-law-fast-track-five-chemicals-0 |
| 485 | Tris (4-isopropylphenyl) phosphate | リン酸トリス[4-(1-メチルエチル)フェニル] | 2502-15-0 | P | 0% | TSCA Section 6(h) https://www.epa.gov/newsreleases/epa-acts-new-chemical-law-fast-track-five-chemicals-0 |
| 486 | Benzene,1,2,3-tribromo-4-(2,4,5-tribromophenoxy)-; 2,2',3,4,4',5'-Hexabromodiphenylether; BDE 138; PBDE 138 | 2,2',3,4,4',5'-ヘキサブロモ[1,1'-オキシビスベンゼン]. | 182677-30-1 | P | - | GB/T 30512 |
| 487 | Salts from 3,3'-Dimethoxybenzidine | - | - | P | 0.1% | Canadian Toxic Substances Regulation 2005 |
| 488 | Quaternary ammonium compounds (benzylalkyldimethyl (alkyl from C8-C22, saturated and unsaturated, tallow alkyl, coco alkyl, and soya alkyl) chlorides, bromides or hydroxides)/BKC | - | - | D/P | Biocide usage: "-" | Reg. (EU) No 528/2012 |

Table2 GADSL listing outside independent prohibited substance list

P#: Prohibited substance. However, Mitsuba may not require changeover of certain prohibited substances depending on type, customer, destination, and/or usage of products concerned.

| No. | Substance (物質名) | 物質名(和名) *ミツバ追記 | CAS-No. | Mitsuba's Classification (ミツバ管理区分) | Threshold (閾値) | Source (Legal requirements, regulations), specified condition (法的必要条件、法規定、特定条件) |
|-----|---|---------------------------------------|--------------------------|--|-------------------|---|
| 489 | 1,7,7-trimethyl-3-(phenylmethylene) bicyclo[2.2.1]heptan-2-one | 3-ベンジリデンボルナン-2-オン | 15087-24-8 | P | 0.1% | REACH SVHC |
| 490 | Zirconia Aluminosilicate Refractory Ceramic Fibres | ジルコニアアルミノケイ酸塩耐火セラミック繊維 | - | P | 0.1% | See 1st line of "Mineral fibres, all members" Recommendation Annex XIV |
| 491 | Benz(a)anthracene | 1,2-ベンズアントラセン-D12 | 1718-53-2 | P | 0.1% | REACH SVHC Reg. (EC) No 1272/2008 |
| 492 | Acenaphthylene | アセナフチレン | 208-96-8 | P | 0.1% | GB 30512 draft |
| 493 | Acenaphthene | アセナフテン | 83-32-9 | P | 0.1% | GB 30512 draft |
| 494 | Fluorene | フルオレン | 86-73-7 | P | 0.1% | GB 30512 draft |
| 495 | Pyrene D10 | ピレン-D10 | 1718-52-1 | P | 0.1% | REACH SVHC |
| 496 | Fluoranthene | フルオランテン-D10 | 93951-69-0 | P | 0.1% | REACH SVHC |
| 497 | Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) | - | 93925-00-9 | P | 0.1% | REACH SVHC |
| 498 | Tricyclohexyl Tin Compounds | トリシクロヘキシルスズ化合物 | EU Index 050-012-00-5 | P | 0.1% | REACH Annex XVII |
| 499 | Triethyl Tin Compounds | トリエチルスズ化合物 | EU Index 050-006-00-2 | P | 0.1% | REACH Annex XVII |
| 500 | Trihexyl Tin Compounds | トリヘキシルスズ化合物 | EU Index 050-010-00-4 | P | 0.1% | REACH Annex XVII |
| 501 | Trimethyl Tin Compounds | トリメチルスズ化合物 | EU Index 050-005-00-7 | P | 0.1% | REACH Annex XVII |
| 502 | Trioctyl Tin Compounds | トリオクチルスズ化合物 | EU Index 050-013-00-0 | P | 0.1% | REACH Annex XVII |
| 503 | Tripentyl Tin Compounds | トリペンチルスズ化合物 | EU Index 050-009-00-9 | P | 0.1% | REACH Annex XVII |
| 504 | Triphenyl Tin Compounds | トリフェニルスズ化合物 | EU Index 050-011-00-X | P | 0.1% | REACH Annex XVII |
| 505 | Tripropyl Tin Compounds | トリプロピルスズ化合物 | EU Index 050-007-00-8 | P | 0.1% | REACH Annex XVII |
| 506 | Phenol, 4-tert-nonyl- | - | 58865-77-3 | P | 0.1% | REACH Annex XVII |
| 507 | Phenol, 4-(1,1,3-trimethylhexyl)- | - | 174305-83-0 | P | 0.1% | REACH Annex XVII |
| 508 | Phenol, 4-(1,3-dimethyl-1-propylbutyl)- | - | 142731-65-5 | P | 0.1% | REACH Annex XVII |
| 509 | Phenol, 4-(1,2,5-trimethylhexyl)- | - | 142731-55-3 | P | 0.1% | REACH Annex XVII |
| 510 | 4-(3-ethylheptan-2-yl)phenol | 4-(2-エチル-1-メチルヘキシル)フェノール | 186825-39-8 | P | 0.1% | REACH Annex XVII |
| 511 | 4-(1,1,5-Trimethylhexyl)phenol | - | 521947-27-3 | P | 0.1% | REACH Annex XVII |
| 512 | Isononylphenol | イソノニルフェノール | 11066-49-2 | P | 0.1% | REACH Annex XVII |
| 513 | Phenol, 4-nonyl-, phosphite (3:1) | トリス(4-ノニルフェノキシ)ホスフィン | 3050-88-2 | P | 0.1% | REACH Annex XVII |
| 514 | Kanechlor 500 | クロロ-1,1'-ビフェニル | 27323-18-8 | P | = | EU POP Regulation |
| 515 | 4,4'-dichlorobiphenyl | 4,4'-ジクロロ-1,1'-ビフェニル | 2050-68-2 | P | = | EU POP Regulation |
| 516 | 2,2',3,3',4,4',5,5',6,6'-decachlorobiphenyl | デカクロロビフェニル | 2051-24-3 | P | = | EU POP Regulation |
| 517 | 2-chlorobiphenyl | 2-クロロビフェニル | 2051-60-7 | P | = | EU POP Regulation |
| 518 | 3-chlorobiphenyl | 3-クロロ-1,1'-ビフェニル | 2051-61-8 | P | = | EU POP Regulation |
| 519 | 4-chlorobiphenyl | 4-クロロビフェニル | 2051-62-9 | P | = | EU POP Regulation |
| 520 | dichlorobiphenyl | ジクロロビフェニル | 25512-42-9 | P | = | EU POP Regulation |
| 521 | 2,4'-dichlorobiphenyl | 2,4'-ジクロロ[1,1'-ビフェニル] | 34883-43-7 | P | = | EU POP Regulation |
| 522 | 2,4,4'-trichlorobiphenyl | 2,4,4'-トリクロロ[1,1'-ビフェニル] | 7012-37-5 | P | = | EU POP Regulation |
| 523 | Sodium chromate tetrahydrate | クロム酸二ナトリウム四水和物 | 10034-82-9 | P | = | EU POP Regulation |
| 524 | 2,3',4,4',6-PENTABROMODIPHENYL ETHER | 2,3',4,4',6-ペンタブロモジフェニルエーテル標準液 | 189084-66-0 | P | = | EU POP Regulation |
| 525 | 2,2',3,4',4-PENTABDE | 2,2',3,4,4'-ペンタブロモジフェニルエーテル標準液 | 182346-21-0 | P | = | EU POP Regulation |
| 526 | 2,3',4',6-TETRABROMODIPHENYL ETHER | 2,6-ジブロモジフェニル3,4-ジブロモジフェニルエーテル | 189084-62-6 | P | = | EU POP Regulation |
| 527 | 2,3',4,4'-Tetrabromodiphenyl ether | 2,3',4,4'-テトラブロモジフェニルエーテル標準液 | 189084-61-5 | P | = | EU POP Regulation |
| 528 | 3,3',4,4'-TETRABROMODIPHENYL ETHER | 3,3',4,4'-テトラブロモジフェニルエーテル標準液 | 93703-48-1 | P | = | EU POP Regulation |
| 529 | 2-[(2-(4-(3',6'-Dimethyl-3'-heptyl)phenoxy)ethoxy)ethanol | 4-(3,6-ジメチル-3-ヘプチル)フェノールジエトキシエーテル 溶液 | 1119449-38-5 | P | = | EU POP Regulation |
| 530 | 4-(3',6'-Dimethyl-3'-heptyl)phenol Monoethoxylate | 4-(3,6-ジメチル-3-ヘプチル)フェノールモノエトキシエーテル 溶液 | 1119449-37-4 | P | = | EU POP Regulation |
| 531 | 1-Decanaminium, N-decyl-N,N-dimethyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluoro-1-octanesulfonic acid (1:1 | - | 251099-16-8 | P | = | EU POP Regulation |

Table 3 Criteria for Packaging Substances

The target of this standard is packaging materials, etc. (packaging materials and protective materials)

Restricted substances contained in packaging materials, etc. shall satisfy the packaging material standards shown in the table below.

| GADSL No. | Substance (物質名) | 物質名(和名) | CAS-No. | Criteria for Packaging | Major Relevant Laws and Regulations(reference) |
|-----------|---|---|---|---|---|
| 10 | 4-Aminobiphenyl and its salts, all members | 4-アミノビフェニルとその塩(全て) | 92-67-1,2113-61-3 | Prohibited from use >0.1wt% | REACH EU-R 1907/2006 Annex XVII (former 76/769/EEC), Turkish law |
| 18 | Asbestos Fibers, all members | アスベスト繊維(全て) | 77536-66-4,12172-73-5,77536-67-5,12001-29-5,12001-28-4,77536-68-6 | Prohibited from use >0wt% (including unintentional use) | REACH EU-R 1907/2006 Annex XVII (former 76/769/EEC) National laws, Turkish law, Australian law |
| 19 | Asbestos Minerals, all members | アスベスト, 鉱物由来(全て) | 1332-21-4,13768-00-8,14567-73-8,17068-78-9,12172-67-7,132207-32-0 | Prohibited from use >0wt% (including unintentional use) | REACH EU-R 1907/2006 Annex XVII (former 76/769/EEC), Japanese law (OSHA), Turkish law, Australian law |
| 22 | Benzene | ベンゼン | 71-43-2 | Prohibited from use ≥ 0.1wt% | REACH EU-R 1907/2006 Annex XVII (former 76/769/EEC), Turkish law |
| 37 | Benzidine and its salts, all members | ベンジジンとその塩(全て) | 92-87-5,36341-27-2,531-86-2,21136-70-9,67632-50-2,531-85-1,70146-07-5,612-83-9,612-82-8,27336-24-9,8004-59-9,3567-65-5,1937-37-7,2429-83-6,2602-46-2,2429-73-4,3811-71-0,2429-82-5,6360-54-9,2429-81-4,3476-90-2,2893-80-3,16071-86-6,3626-28-6,4335-09-5,5422-17-3,2429-84-7,573-58-0,3530-19-6,6426-67-1,13164-93-7,2429-79-0,72-57-1,8014-91-3,91-94-1,119-90-4,119-93-7,74220-10-3, (No CAS RN: Salts from 3,3'-Dimethoxybenzidine) | Prohibited from use >0.1wt% | REACH EU-R 1907/2006 Annex XVII (former 76/769/EEC), Turkish law Canadian law (SOR/SOR/2005-41) Japanese law (OSHA) |
| 48 | Biocidal coatings / biocidal additives, selected (+/-)-1-(.beta.-allyloxy-2,4-dichlorophenylethyl)imidazole; Technical grade imazalil .alpha.,.alpha.',.alpha.-trimethyl-1,3,5-triazine-1,3,5-(2H,4H,6H)-triethanol 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one 1,3-bis(hydroxymethyl)urea 1,3-didecyl-2-methyl-1H-imidazolium chloride 1-[1,3-bis(hydroxymethyl)-2,5-dioximidazolidin-4-yl]-1,3-bis(hydroxymethyl)urea; Diazolidinylurea 1H-Pyrazole-4-carboxamide, N-[2-(1,3-dimethylbutyl)phenyl]-5-fluoro-1,3-dimethyl- 2,2',2''-(Hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol 2,2-Dibromo-2-cyanoacetamide (DBNPA) 2,2'-dithiobis[N-methylbenzamide] 2,4-dichlorobenzyl alcohol 2-bromo-1-(4-hydroxyphenyl)ethan-1-one 2-Bromo-2-(bromomethyl)pentanedinitrile 2-Chloroacetamide 2-methyl-4-thiazoline-3-ketone; 2-methyl-2H-isothiazol-3-one; MIT; 2-n-butyl-benzo[d]isothiazol-3-one 2-Phenoxyethanol 2-Phenylphenol; Biphenyl-2-ol; 2-Hydroxybiphenyl 3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone 3-Iodo-2-propynyl butylcarbamate; 3-Iodo-2-propynylbutylcarbamate (IPBC) 4,5-Dichloro-2-octyl-2H-isothiazol-3-one; 4,5-Dichloro-2-octylisothiazol-3(2H)-one (DCOIT) 4,5-dichloro-3H-1,2-dithiol-3-one 5-Chloro-2-(4-chlorophenoxy)-phenol (DCPP) 5-chloro-2-methyl-4-thiazoline-3-ketone Allyl isothiocyanate Alpha-cypermethrin Aluminum phosphide; Aluminum phosphide releasing phosphine (underBPR) Aluminium sodium silicate-silver complex; Silver zeolite Aluminium sodium silicate-silver copper complex; Silver Copper Zeolite | バイオサイド化合物のコーティング及び添加物(指定物質) イマザリル 1,1,1''-(1,3,5-トリアジン-1,3,5-トリイル)トリス(プロパン-2-オール) 1,2-ベンゾチアゾリン-3-オン シメチロール尿素 1,3-ジデシル-2-メチル-1H-イミダゾリウムクロリド ジアゾリジニル尿素 5-フルオロ-1,3-ジメチル-N-[2-(4-メチルベンタン-2-イル)フェニル]-1H-ピラゾール-4-カルボキサミド [別名: ベンフルフェ 2,2',2''-(ヘキサヒドロ-1,3,5-トリアジン-1,3,5-トリイル)トリエタノール 2,2-ジブロモ-2-シアノアセトアミド(DBNPA) ビス(2-N-メチルベンズアミド)ジメチルスルフィド 2,4-ジクロロベンジルアルコール 2-ブロモ-1-(4-ヒドロキシフェニル)エタン-1-オン 2-ブロモ-2-(ブロモメチル)グルタロニトリル クロロアセトアミド 2-メチル-4-イソチアゾリン-3-オン 2-フェニル-1,2-ベンゾチアゾール-3(2H)-オン 2-フェニルエタノール 5-クロロ-2-メチル-イソチアゾール-3-オンと2-メチル-3(2h)-チアゾールオン混合物 3-ヨード-2-プロピニルブチルカーバマイト 4,5-ジクロロ-2-n-オクチルイソチアゾール-3-オン 4,5-ジクロロ-3H-1,2-ジチオール-3-オン 5-クロロ-2-(4-クロロフェノキシ)フェノール 5-クロロ-2-メチル-4-イソチアゾリン-3-オン アレルイソチオシアネート アルファ-シベルメトリン リン化アルミニウム 銀担持ゼオライト 銅担持ゼオライト | 73790-28-0 25254-50-6 2634-33-5 140-95-4 70862-65-6 78491-02-8 494793-67-8 4719-04-4 10222-01-2 2527-58-4 1777-82-8 2491-38-5 35691-65-7 79-07-2 2682-20-4 4299-07-4 122-99-6 90-43-7 55965-84-9 55406-53-6 64359-81-5 1192-52-5 3380-30-1 26172-55-4 57-06-7 67375-30-8 20859-73-8 130328-18-6 130328-19-7 | A7/P8/A9 A7/A8/P9 P7/A8/D9 A7/A8/P9 P7/A8/A9 P7/A8/A9 A7/D8/A9 A7/A8/P9 P7/A8/P9 A7/A8/P9 P7/A8/P9 P7/A8/P9 P7/A8/P9 P7/A8/P9 P7/A8/P9 D7/A8/D9 P7/A8/P9 D7/A8/D9 D7/D8/D9 A7/A8/P9 A7/A8/P9 P7/P8/P9 A7/A8/A9 A7/P8/P9 A7/P8/A9 P7/A8/A9 D9 P7/A8/D9 | Reg. (EU) No 528/2012 P7,P8,P9 : Prohibited Substances. ("P") to be included in specific product type under biocidal purpose in EU BPR regulation P7 : "P" in PT7, P8 : "P" in PT8, P9 : "P" in PT9 D7,D8,D9 : Substance which is allowed. ("D") to be included in specific product type under biocidal purpose in EU BPR regulation A7,A8,A9 : Substance which needs to be certificated. ("A") before it included in specific product type under biocidal purpose in EU BPR regulation Allowed if it is in other than PT7, 8, or 9 not as "contained as biocide" Product-Type (PT) : 7 for <films or coatings>, 8 for <Woods>, 9 for <fiber, paper, leather, rubber, polymer> |

Table 3 Criteria for Packaging Substances

The target of this standard is packaging materials, etc. (packaging materials and protective materials)

Restricted substances contained in packaging materials, etc. shall satisfy the packaging material standards shown in the table below.

| GADSL No. | Substance (物質名) | 物質名(和名) | CAS-No. | Criteria for Packaging | Major Relevant Laws and Regulations(reference) |
|-----------|--|---|-------------|------------------------|--|
| | Amines, n-C10-16-alkyltrimethylenedi-, reaction products withchloroacetic acid | 直鎖C10~16アルキルトリメチレンジアミンのクロロ酢酸反応物 | 139734-65-9 | P7/A8/A9 | |
| | Ammonium bromide | 臭化アンモニウム | 12124-97-9 | P7/A8/P9 | |
| | Benzalkonium chloride; Quaternary ammonium compounds,alkylbenzyl dimethyl chlorides | 塩化ベンザルコニウム | 8001-54-5 | P7/P8/P9 | |
| | Benzododecinium chloride | ベンゾドデシニウムクロリド | 139-07-1 | P7/P8/P9 | |
| | Benzothiazole-2-thiol; 2-Mercaptobenzothiazole | 2-メルカプトベンゾチアゾール | 149-30-4 | P7/P8/P9 | |
| | Benzoxonium chloride | 塩化ベンゾキソニウム | 19379-90-9 | A7/A8/P9 | |
| | Benzyl dimethyl(octadecyl) ammonium chloride | ベンジルジメチル(オクタデシル)アンモニウムクロリド | 122-19-0 | P7/P8/P9 | |
| | Benzyl dimethylethylammonium chloride | ベンジルジメチルエチルアンモニウムクロリド | 37139-99-4 | P7/P8/P9 | |
| | Benzyl dodecyl dimethyl ammonium bromide | ベンジルドデシルメチルアンモニウム臭素 | 7281-04-1 | P7/P8/P9 | |
| | (benzyloxy)methanol | ベンジルオキシメタノール | 14548-60-8 | A7/A8/P9 | |
| | Bifenthrin | ビフェントリン | 82657-04-3 | A7/D8/A9 | |
| | Bis(2-sulfidopyridin-1-olato)copper; bis(1-hydroxy-1H-pyridine-2-thionato-Bis(tributyltin) oxide; 1,1,1,3,3,3-Hexabutyl distannoxane; Tributyltin oxide (TBTO) | ビス(2-スルフィドピリジン-1-オラト)銅 | 14915-37-8 | A7/A8/P9 | |
| | Bis(trichloromethyl) sulphone | ビス(トリクロロメチル)スルホン | 3064-70-8 | A7/A8/P9 | |
| | Boric acid | ホウ酸 | 11113-50-1 | P7/P8/P9 | |
| | Boric acid crude natural | 粗製ホウ酸 | 10043-35-3 | P7/D8/P9 | |
| | Bromochloro-5,5-dimethylimidazolidine-2,4- | ブロモクロロ-5,5-ジメチルイミダゾリジン-2,4-ジオン | 32718-18-6 | A7/A8/P9 | |
| | Bronopol; 2-bromo-2-nitropropane-1,3-diol | ブロンポール | 52-51-7 | P7/A8/P9 | |
| | C8-18alkylbis(2-hydroxyethyl)ammonium bis(2-ethylhexyl)phosphate | C8-18アルカリビス(2-ヒドロキシエチル)アンモニウムビス(2-エチルヘキシルリン酸) | 68132-19-4 | P7/A8/P9 | |
| | Calcium dihexa-2,4-dienoate | カルシウムジヘキサジエノエート | 7492-55-9 | P7/P8/P9 | |
| | Captan; 1,2,3,6-tetrahydro-N-(trichloromethylthio)phthalimide | キャプタン | 133-06-2 | P7/P8/P9 | |
| | Carbendazim | カルベンダジム | 10605-21-7 | D7/A8/P9 | |
| | Cetalkonium chloride | セタルコニウムクロリド | 122-18-9 | P7/P8/P9 | |
| | Cetylpyridinium chloride | 塩化セチルピリジニウム | 123-03-5 | P7/P8/P9 | |
| | Chlorfenapyr; 4-Bromo-2-(4-chlorophenyl)-1-ethoxymethyl-5-trifluoromethylpyrrole-3-carbonitrile | クロルフェナピル | 122453-73-0 | P7/D8/P9 | |
| | Chlorocresol; 4-chloro-m-cresol; 4-chloro-3- | クロロクレゾール | 59-50-7 | A7/A8/D9 | |
| | Chlorothalonil; Tetrachloroisophthalonitrile | クロロタロニル | 1897-45-6 | P7/P8/P9 | |
| | Chlorotoluron; 3-(3-chloro-p-tolyl)-1,1-dimethylurea | クロロトルロン | 15545-48-9 | P7/A8/P9 | |
| | Chromium (VI) trioxide; Trioxochromium | 酸化クロム(VI) [別名:三酸化クロム] | 1333-82-0 | A7/P8/A9 | |
| | Cis-4-[3-(p-tert-butylphenyl)-2-methylpropyl]-2,6-dimethylmorpholine | シス-4-[3-(p-tert-ブチルフェニル)-2-メチルプロピル]-2,6-ジメチルモルホリン | 67564-91-4 | P7/A8/P9 | |
| | Clothianidin; IFMB | クロシアニジン | 210880-92-5 | A7/D8 A8/A9 | |
| | Copolymer of 2-propenal and propane-1,2-diol | 2-プロペナルとプロパン-1,2-ジオールのコポリマー | 191546-07-3 | P7/A8/A9 | |
| | Copper (Cu) | 銅 | 7440-50-8 | A7/D8/A9 | |
| | Copper carbonate hydroxide; Basic Copper carbonate; Copper (II) carbonate--copper (II) hydroxide (1:1) | 塩基性炭酸銅 | 12069-69-1 | A7/D8/A9 | |
| | Copper dihydroxide; Copper (II) hydroxide; Copper | 水酸化銅(II) | 20427-59-2 | A7/D8/A9 | |
| | Copper oxide; Copper (II) oxide | 酸化銅(II) | 1317-38-0 | A7/D8/A9 | |
| | Copper sulphate | 硫酸銅(II) | 7758-98-7 | A7/P8/A9 | |
| | Copper sulphate pentahydrate | 硫酸銅 (I I) 五水和物 | 7758-99-8 | A7/P8/A9 | |
| | Creosote | クレオソート | 8001-58-9 | A7/D8 A8/A9 | |
| | Cu-HDO; Bis(N-cyclohexyl-diazanium-dioxy)-copper); Bis[1-cyclohexyl-1,2-di(hydroxy-kappa.O)diazaniumato(2-)]-copper | ビス(N-シクロヘキシル-シアゼニウム-ジオキシ)-銅 | 312600-89-8 | P7/D8/P9 | |
| | Cybutryne; N'-tert-butyl-N-cyclopropyl-6-(methylthio)-1,3,5-triazine-2,4-diamine | シブトリン | 28159-98-0 | P7/A8/P9 | |
| | Cyclohexylhydroxydiazene 1-oxide, potassium salt | シクロヘキシルヒドロキシジアゼン-1-オキシドナトリウム塩 | 66603-10-9 | P7/D8 A8/P9 | |
| | Cyfluthrin; beta-cyfluthrin; a-cyano-4-fluoro-3-phenoxybenzyl-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate | シフルトリン | 68359-37-5 | A7/P8/A9 | |
| | Cyproconazole; (2RS,3RS; 2RS,3SR)-2-(4-chlorophenyl)-3-cyclopropyl-1-(1H-1,2,4-triazol-1-yl)butan-2-ol | シプロコナゾール | 94361-06-5 | A7/D8 A8/A9 | |

Reg. (EU) No 528/2012

P7,P8,P9 : Prohibited Substances. ("P") to be included in specific product type under biocidal purpose in EU BPR regulation P7 : "P" in PT7, P8 : "P" in PT8, P9 : "P" in PT9

D7,D8,D9 : Substance which is allowed. ("D") to be included in specific product type under biocidal purpose in EU BPR regulation A7,A8,A9 : Substance which needs to be certificated. ("A") before it included in specific product type under biocidal purpose in EU BPR regulation.

Allowed if it is in other than PT7, 8, or 9 not as "contained as biocide"

Product-Type (PT) : 7 for<films or coatings>, 8 for<fiber, paper, leather, rubber, polymer>

Table 3 Criteria for Packaging Substances

The target of this standard is packaging materials, etc. (packaging materials and protective materials)

Restricted substances contained in packaging materials, etc. shall satisfy the packaging material standards shown in the table below.

| GADSL No. | Substance (物質名) | 物質名(和名) | CAS-No. | Criteria for Packaging | Major Relevant Laws and Regulations(reference) |
|-----------|---|---|-------------|--------------------------------|--|
| | Dazomet; Tetrahydro-3,5-dimethyl-1,3,5-thiadiazine-2-thione | ダゾメット | 533-74-4 | P7/D8/P9 | |
| | DDACarbonate; LZ 34000; Reaction mass of N,N-didecyl-N,N-dimethyl-ammonium carbonate and N,N-didecyl-N,N-dimethyl-ammonium bicarbonate | 炭酸ジデシルジメチルアンモニウム | 894406-76-9 | A7/D8/A9 | |
| | Decyldimethyloctylammonium chloride | ドデシルジメチルオクタラムモニウムクロリド | 32426-11-2 | P7/P8/P9 | |
| | Deltamethrin; (S)-a-cyano-3-phenoxybenzyl (1R, 3R)-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropanecarboxylate | デルタメトリン | 52918-63-5 | A7/P8/A9 | |
| | Diarsenic pentaoxide; Arsenic pentoxide; Arsenic oxide | 五酸化二ヒ素 | 1303-28-2 | A7/P8/A9 | |
| | Diboron trioxide | 三酸化二ホウ素 | 1303-86-2 | A7/A8/A9 | |
| | Dichloruanid; N-[(Dichlorofluoromethyl)thio]-N',N'-dimethyl-N-phenylsulfamide | ジクロロフオアニド | 1085-98-9 | P7/D8 A8/A9 | |
| | Dichlorophene; dichlorophen | ジクロロフェン | 97-23-4 | P7/A8/P9 | |
| | Dicopper oxide | 酸化銅(Ⅰ) | 1317-39-1 | A7/P8/A9 | |
| | Didecyldimethylammonium bromide | ジデシルジメチルアンモニウム臭素 | 2390-68-3 | P7/P8/P9 | |
| | Didecyldimethylammonium chloride (DDAC) | ジデシルジメチルアンモニウムクロリド | 7173-51-5 | P7/D8/P9 | |
| | Didecylmethylpoly(oxethyl)ammonium propionate; Poly(oxyl-1,2-ethanediyl), .alpha.-[2-(didecylmethylammonio)ethyl]-.omega.-hydroxy-, propanoate (salt) | ジデシルメチルポリ(オキシエチル)アンモニウムプロピオネート | 94667-33-1 | A7/D8/P9 | |
| | Dimethyldioctylammonium chloride | ジメチルジオクタラムモニウムクロリド | 5538-94-3 | P7/P8/P9 | |
| | Dimethylfumarate | フマル酸ジメチル(DMF) | 624-49-7 | Prohibited from use>0.00001wt% | |
| | Dimethyloctadecyl[3-(trimethoxysilyl)propyl]ammonium chloride | ジメチルオクタデシル[3-(トリメトキシシリル)プロピル]アンモニウムクロリド | 27668-52-6 | D7/A8/D9 | |
| | Dimethyltetradecyl[3-(trimethoxysilyl)propyl]ammonium chloride | ジメチルテトラデシル[3-(トリメトキシシリル)プロピル]アンモニウムクロリド | 41591-87-1 | A7/A8/D9 | |
| | Diphenoxarsin-10-yloxid | 10,10'-オキシビス-10H-フェノキサリジン | 58-36-6 | A7/A8/P9 | |
| | Dipotassium disulphite | 二亜硫酸ニカリウム | 16731-55-8 | A7/A8/P9 | |
| | Dipyrithione | ジピリチオン | 3696-28-4 | A7/A8/P9 | |
| | Disodium cyanodithiocarbamate | シアノジチオイミドカルボン酸二ナトリウム塩 | 138-93-2 | A7/A8/P9 | |
| | Disodium disulphite; Disodium disulfite | 二亜硫酸二ナトリウム | 7681-57-4 | A7/A8/P9 | |
| | Disodium octaborate tetrahydrate; Boron sodium oxide (B8Na2O13) | 八ホウ素二ナトリウム-四水和物 | 12280-03-4 | P7/A8/P9 | |
| | Disodium tetraborate, anhydrous | 四ホウ酸ナトリウム(無水物) | 1330-43-4 | P7/D8/P9 | |
| | Disodium tetraborate, decahydrate | 四ホウ酸ナトリウム(十水物) | 1303-96-4 | P7/D8/P9 | |
| | Disodium tetraborate, pentahydrate | 四ホウ酸ナトリウム(五水物) | 12179-04-3 | P7/D8/P9 | |
| | Diuron; 3-(3,4-dichlorophenyl)-1,1-dimethylurea (DCMU) | 3-(3,4-ジクロロフェニル)-1,1-ジメチル尿素(別名ジウロン又はDCMU) | 330-54-1 | D7/A8/A9 | |
| | Dodecylguanidine monohydrochloride | ドデシルグアニジン塩酸塩 | 13590-97-1 | P7/P8/P9 | |
| | DOWICIL* 150 PRESERVATIVE; DOWICIL* 200 PRESERVATIVE | ダウシ製防腐剤 DOWICIL150/200 | 51229-78-8 | A7/A8/P9 | |
| | Esfenvalerate; (S)-a-cyano-3-phenoxybenzyl-(S)-2-(4-chlorophenyl)-3-methylbutyrate | エスフェンバレレート | 66230-04-4 | A7/P8/A9 | |
| | (ethylenedioxy)dimethanol/ 1,6-Dihydroxy-2,5-dioxihexane | [1,2-エタンジイルビス(オキシ)]ビスメタノール | 3586-55-8 | A7/A8/P9 | |
| | Etofenprox; Ethofenprox; 3-Phenoxybenzyl-2-(4-ethoxyphenyl)-2-methylpropylether | エトフェンプロックス | 80844-07-1 | A7/D8 A8/A9 | |
| | Fenitrothion; O,O-dimethyl O-4-nitro-m-tolyl phosphorothioate | フェニトロチオン | 122-14-5 | A7/P8/A9 | |
| | Fenoxycarb; Ethyl [2-(4-phenoxyphenoxy)ethyl]carbamate | N-[2-(4-フェノキシフェノキシ)エチル]カルバミド酸エチル | 72490-01-8 | A7/D8/A9 | |
| | Fipronil; 5-Amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-[(trifluoromethyl)sulfinyl]-1H-pyrazole-3-carbonitrile | フィプロニル | 120068-37-3 | A7/P8/A9 | |
| | Fludioxonil; 4-(2,2-Difluoro-1,3-benzodioxol-4-yl)-1H-pyrrrole-3-carbonitrile | フルジオキシニル | 131341-86-1 | D7/A8/D9 | |
| | Flufenoxuron; 1-[4-(2-Chloro-alpha, alpha, alpha-trifluoro-para-tolyloxy)-2-fluorophenyl]-3-(2,6-difluorobenzoyl)urea | フルフェノクスロン | 101463-69-8 | A7/A8/A9 | |

Reg. (EU) No 528/2012

P7, P8, P9 : Prohibited Substances. ("P") to be included in specific product type under biocidal purpose in EU BPR regulation P7 : "P" in PT7, P8 : "P" in PT8, P9 : "P" in PT9

D7, D8, D9 : Substance which is allowed. ("D") to be included in specific product type under biocidal purpose in EU BPR regulation

A7, A8, A9 : Substance which needs to be certificated. ("A") before it included in specific product type under biocidal purpose in EU BPR regulation.

Allowed if it is in other than PT7, 8, or 9 not as "contained as biocide"

Product-Type (PT) : 7 for<films or coatings>, 8 for<Woods>, 9 for<fiber, paper, leather, rubber, polymer>

Table 3 Criteria for Packaging Substances

The target of this standard is packaging materials, etc. (packaging materials and protective materials)

Restricted substances contained in packaging materials, etc. shall satisfy the packaging material standards shown in the table below.

| GADSL No. | Substance (物質名) | 物質名(和名) | CAS-No. | Criteria for Packaging | Major Relevant Laws and Regulations(reference) |
|-----------|--|--|--------------|------------------------|--|
| | Fluometuron | フルオメツロン | 2164-17-2 | P7/A8/P9 | Reg. (EU) No 528/2012 P7,P8,P9 : Prohibited Substances. ("P") to be included in specific product type under biocidal purpose in EU BPR regulation P7 : "P" in PT7, P8 : "P" in PT8, P9 : "P" in PT9 D7,D8,D9 : Substance which is allowed. ("D") to be included in specific product type under biocidal purpose in EU BPR regulation A7,A8,A9 : Substance which needs to be certified. ("A") before it included in specific product type under biocidal purpose in EU BPR regulation. Allowed if it is in other than PT7, 8, or 9 not as "contained as biocide" Product-Type (PT) : 7 for<films or coatings>, 8 for<Woods>, 9 for<fiber, paper, leather, rubber, polymer> |
| | Folpet; N-(trichloromethylthio)phthalimide | フォルベツト | 133-07-3 | D7/A8/D9 | |
| | Formaldehyde | ホルムアルデヒド | 50-00-0 | A7/A8/P9 | |
| | Glutaral; Glutaraldehyde; Pentane-1,5-dial; Pentanedial | グルタルアルデヒド | 111-30-8 | P7/A8/P9 | |
| | Guazatine triacetate | グアザチントリアセテート | 115044-19-4 | A7/P8/A9 | |
| | Hexa-2,4-dienoic acid; Sorbic acid | 2,4-ヘキサジエン酸(別名:ソルビン酸) | 110-44-1 | P7/P8/P9 | |
| | Hexaboron dizinc undecaoxide | ホウ酸亜鉛 | 12767-90-7 | A7/P8/P9 | |
| | Hexafluorosilicic acid | 6フッ化ケイ酸 | 16961-83-4 | A7/P8/A9 | |
| | Homopolymer of 2-tert-butylaminoethyl methacrylate (EINECS 223-228-4) | 2-tert-ブチルアミノエチルメタアクリレートホモポリマー | 26716-20-1 | P7/P8/P9 | |
| | Hydroxyl-2-pyridone | 1-ヒドロキシ-2-ピリジン | 822-89-9 | A7/A8/P9 | |
| | Imazalil; 1-[2-(allyloxy)-2-(2,4-dichlorophenyl)ethyl]-1H-imidazole | イマザリル | 35554-44-0 | A7/P8/A9 | |
| | Iodine (I) | ヨウ素 | 7553-56-2 | P7/A8 P8/P9 | |
| | Isoproturon; 3-(4-Isopropylphenyl)-1,1-dimethylurea | インプロツロン | 34123-59-6 | D7/A8/P9 | |
| | L-(+)-lactic acid | L-(+)-乳酸 | 79-33-4 | A7/P8/A9 | |
| | Lianin | リグニン | 9005-53-2 | P7/P8/P9 | |
| | Magnesium phosphide; Trimagnesium diphosphide | リン化マグネシウム | 12057-74-8 | A7/P8/A9 | |
| | Margosa ext. | インドセンダン(常緑樹)抽出物 | 84696-25-3 | A7/P8/P9 | |
| | Metam potassium; Potassium methyldithiocarbamate | メタムカリウム | 137-41-7 | A7/A8/P9 | |
| | Metam-sodium; Metam; Sodium ethyldithiocarbamate | モノメチルジチオカルバミン酸ナトリウム | 137-42-8 | A7/A8/P9 | |
| | Methenamine 3-chloroallylochloride | 3-(3-クロロアリル)ヘキサメチレンテトラアンモニウムクロライド | 4080-31-3 | A7/A8/P9 | |
| | Miristalkonium chloride | ミリスタルコニウムクロリド | 139-08-2 | P7/P8/P9 | |
| | N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine | N(1)-(3-アミノプロピル)-N(1)-ドデシルプロパン-1,3-ジアミン | 2372-82-9 | A7/D8 P8/P9 | |
| | N,N,N',N'-Tetramethylethylenediaminebis(2-chloroethyl)ether copolymer | テトラメチルエチレンジアミン-ジクロルエチルエーテル重縮合物 | 31075-24-8 | A7/A8/P9 | |
| | N,N'-methylenbismorpholine (MBM) | メチルホリノメタン | 5625-90-1 | A7/A8/P9 | |
| | Nabam; Disodium ethylenedis(N,N'-dithiocarbamate) | ナバム | 142-59-6 | A7/A8/P9 | |
| | Naphthenic acids, copper salts | ナフテン酸の銅塩 | 1338-02-9 | A7/P8/A9 | |
| | N-Didecyl-N-dipolyethoxyammonium borate; Didecylpolyoxethylammonium borate | N-ジデシル-N-ジポリエトキシアンモニウムホウ素 | 214710-34-6 | A7/D8/P9 | |
| | Octhilineone; 2-octyl-2H-isothiazol-3-one | オクチリン | 26530-20-1 | D7/D8/D9 | |
| | Oligo(2-(2-ethoxy)ethoxyethylguanidinium chloride) | オリゴ(2-(2-エトキシ)エトキシエチレンジアニウム)クロリド | 374572-91-5 | P7/A8/P9 | |
| | Oxine-copper | オキシン銅 | 10380-28-6 | A7/P8/A9 | |
| | P-[[diiodomethyl]sulphonyl]toluene | ジヨードメチル-p-トルルスルホン | 20018-09-1 | D7/A8/D9 | |
| | Permethrin; m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate | ペルメトリン | 52645-53-1 | A7/D8/P9 | |
| | Poly(hexamethylendiamine guanidinium chloride) | ポリ(ヘキサメチレンジアミン)グアニジウムクロリド | 57028-96-3 | P7/A8/P9 | |
| | Poly(hexamethylenecyanouanide-hexamethylenediamine) Hydrochloride | ポリ(ヘキサメチレンピグアナイド-ヘキサメチレンジアミン)ハイドロクロリド | 27083-27-8 | A7/A8/P9 | |
| | Poly(hexamethylenebiguanide) | ポリ(ヘキサメチレンピグアナイド) | 91403-50-8 | A7/A8/D9 | |
| | Poly(hexamethylenebiguanide) hydrochloride | ポリ(ヘキサメチレンピグアナイド)ハイドロクロリド | 32289-58-0 | A7/A8/P9 | |
| | Poly[iminocarbonimidoyliminocarbonimidoylimino-1,6-hexanedivyl], hydrochloride | ポリ[イミノカーボニミドイルカーボニミドイルイミノ-1,6-ヘキサンジール]ハイドロクロリド | 1802181-67-4 | A7/A8/P9 | |
| | Polyvinylpyrrolidone iodine | ポリビニルピロリドンヨウ素化合物 | 25655-41-8 | P7/A8/P9 | |
| | Potassium (E,E)-hexa-2,4-dienoate | カリウム(E,E)-ヘキサ-2,4-ジエノアト | 24634-61-5 | P7/D8/P9 | |
| | Potassium 2-biphenylate | 2-ビフェニレートカリウム | 13707-65-8 | A7/A8/P9 | |
| | Potassium dimethyldithiocarbamate | ジメチルジチオカルバミン酸カリウム | 128-03-0 | A7/A8/D9 | |
| | Potassium sulphite | 亜硫酸カリウム | 10117-38-1 | A7/A8/P9 | |
| | Prometryn | プロメトリン | 7287-19-6 | P7/A8/P9 | |
| | Propiconazole; (1)-1-[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-ylmethyl]-1H-1,2,4-triazole | プロピコナゾール | 60207-90-1 | D7/A8/D9 | |
| | Pyridine-2-thiol 1-oxide, sodium salt | 2-メルカプトピリジン-N-オキサイトナトリウム塩 | 3811-73-2 | D7/A8/D9 | |
| | Pyrithione zinc; (T-4)-Bis[2-(thioxo-kappaS)-pyridin-1(2H)-olato-kappaO]zinc(II) | シンクピリチオン | 13463-41-7 | D7/A8/D9 | |

Table 3 Criteria for Packaging Substances

The target of this standard is packaging materials, etc. (packaging materials and protective materials)

Restricted substances contained in packaging materials, etc. shall satisfy the packaging material standards shown in the table below.

| GADSL No. | Substance | 物質名(和名) | CAS-No. | Criteria for Packaging | Major Relevant Laws and Regulations(reference) |
|-----------|--|---|----------------|------------------------|--|
| | Quaternary ammonium compounds (benzylalkyldimethyl) (alkyl from C8- C22, saturated and unsaturated, tallow alkyl, coco alkyl, and soya alkyl) chlorides, bromides or hydroxides)/BKC | ベンジルアルキルジメチル(アルキル(C=8~22) 飽和あるいは不飽和 タロ-アルキル ココアルキル 大豆アルキル)塩化,臭化あるいは水酸化アンモニウム化合物 | NA | P7/P8/P9 | |
| | Quaternary ammonium compounds, [2-[[2-[(2-carboxyethyl)(2-hydroxyethyl)amino]ethyl]amino]-2-oxoethyl]coco alkyldimethyl, hydroxides, inner salts | [2-[[2-[(2-カルボキシエチル)(2-ヒドロキシエチル)アミノ]エチル]アミノ]-2-オキソエチル]ココアルキルジメチルアンモニウム水酸化物分子内塩 | 100085-64-1 | P7/A8/A9 | |
| | Quaternary ammonium compounds, benzyl-C10-16-alkyldimethyl chlorides | ベンジルアルキル(C=10~16)ジメチルアンモニウムクロリド | 68989-00-4 | P7/P8/P9 | |
| | Quaternary ammonium compounds, benzyl-C12-14-alkyldimethyl chlorides | アルキル(C=12~14)(ベンジル)(ジメチル)アンモニウムクロリド | 85409-22-9 | P7/P8/P9 | |
| | Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl chlorides; Alkyl (C12-16) dimethylbenzyl ammonium chloride; C12-16-ADBAC | 塩化ベンジル [アルキル(C=12~16)] ジメチルアンモニウム化合物 | 68424-85-1 | P7/D8/P9 | |
| | Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl chlorides | アルキル(C=12~18)(ベンジル)(ジメチル)アンモニウムクロリド | 68391-01-5 | P7/P8/P9 | |
| | Quaternary ammonium compounds, benzyl-C8-16-alkyldimethyl chlorides | ベンジルアルキル(C=8~16)ジメチルアンモニウムクロリド | 68424-84-0 | P7/P8/P9 | |
| | Quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl bromides | ベンジル-アルキル(C=8~18)ジメチルアンモニウム臭素 | 91080-29-4 | P7/P8/P9 | |
| | Quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl chlorides | 塩化ベンジル-C8-C18-アルカリジメチルアンモニウム化合物 | 63449-41-2 | P7/P8/P9 | |
| | Quaternary ammonium compounds, benzylcoco alkyldimethyl chlorides | ベンジルクココアルキルジメチルアンモニウムクロリド | 61789-71-7 | P7/P8/P9 | |
| | Quaternary ammonium compounds, bis(hydrogenated tallowalkyl)dimethyl chlorides | 塩化ビス(水素化牛脂)ジメチルアンモニウム化合物 | 61789-80-8 | P7/P8/P9 | |
| | Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl chlorides | アルキル(C=12~14)(エチルフェニルメチル)(ジメチル)アンモニウムクロリド | 85409-23-0 | A7/P8/P9 | |
| | Quaternary ammonium compounds, coco alkyldimethyl chlorides | ココアルキルトリメチルアンモニウムクロリド | 61789-18-2 | A7/D8/A9 | |
| | Quaternary ammonium compounds, di-C6-12-alkyldimethyl chlorides | ジアルキル(C=6~12)ジメチルアンモニウムクロリド | 68391-06-0 | P7/P8/P9 | |
| | Quaternary ammonium compounds, di-C8-10-alkyldimethyl chlorides | ジアルキル(C=8~10)ジメチルアンモニウムクロリド | 68424-95-3 | P7/P8/P9 | |
| | Quaternary ammonium compounds, di-C8-18-alkyldimethyl chlorides | 4級アンモニウム化合物: ジアルキル(C=8~18)ジメチルアンモニウムクロリド | 73398-64-8 | P7/P8/P9 | |
| | Quaternary ammonium compounds, dicoco alkyldimethyl chlorides | 塩化ジアルキルジメチルアンモニウム化合物 | 61789-77-3 | P7/P8/P9 | |
| | Quaternary ammonium iodides | 第4級アンモニウムヨウ化物 | 308074-50-2 | P7/A8/A9 | |
| | Bethoxazin/3-benzo[b]thien-2-yl-5,6-dihydro-1,4,2-oxathiazine 4-oxide | 3-(1-ベンゾチオフェン-2-イル)-4-オキソ-5,6-ジヒドロ-4H-1,4- λ (4),2-オキサチアジン | 163269-30-5 | P7/P8/P9 | |
| | Reaction mass of titanium dioxide and silver chloride. Substance must be reported regarding EC number 944-224-5 | 酸化チタンと塩化銀の反応生成物EC No.944-224-5に関わる物質は申告必須 | (EC 944-224-5) | A7/A8/A9 | |
| | Silver (Ag) | 銀 | 7440-22-4 | A7/A8/P9 | |
| | Silver adsorbed on silicon dioxide (as a nanomaterial in the form of a stable aggregate with primary particles in the nanoscale) | 銀吸着二酸化ケイ素(ナノスケールの主要粒子が安定集合体にあるナノ材料として) | 1167997-68-3 | A7/A8/D9 | |
| | Silver chloride | 塩化銀 | 7783-90-6 | D7/A8/D9 | |
| | Silver nitrate | 硝酸銀(I) | 7761-88-8 | A7/A8/A9 | |
| | Silver phosphate glass | リン酸銀ガラス | 308069-39-8 | D7/A8/D9 | |
| | Silver sodium hydrogen zirconium phosphate | リン酸-銀-ナトリウム-ジルコニウム | 265647-11-8 | P7/A8/D9 | |
| | Silver sodium zirconium hydrogenphosphate | 銀-ナトリウム-ジルコニウム-リン酸水素 | 155925-27-2 | A7/A8/A9 | |
| | Silver zinc zeolite; Aluminum sodium silicate-silver zinc complex | 銀-亜鉛担持ゼオライト | 130328-20-0 | D7/A8/D9 | |
| | Silver-zinc-aluminum-boronphosphate glass; Glass oxide, silver- and zinc-containing | 銀-亜鉛-アルミニウム担持リン酸水素ガラス | 398477-47-9 | P7/A8/P9 | |
| | Sodium 2,4,6-trichlorophenolate | 2,4,6-トリクロロフェノールナトリウム塩 | 3784-03-0 | A7/A8/P9 | |
| | Sodium 2-biphenylate; 2-phenylphenol, sodium salt | 2-フェニルフェノールナトリウム塩 | 132-27-4 | P7/A8/P9 | |
| | Sodium bromide | 臭化ナトリウム | 7647-15-6 | P7/A8/P9 | |

Reg. (EU) No 528/2012

P7,P8,P9 : Prohibited Substances. ("P") to be included in specific product type under biocidal purpose in EU BPR regulation P7 : "P" in PT7, P8 : "P" in PT8, P9 : "P" in PT9

D7,D8,D9 : Substance which is allowed. ("D") to be included in specific product type under biocidal purpose in EU BPR regulation

A7,A8,A9 : Substance which needs to be certificated. ("A") before it included in specific product type under biocidal purpose in EU BPR regulation.

Allowed if it is in other than PT7, 8, or 9 not as "contained as biocide"

Product-Type (PT) : 7 for<films or coatings>, 8 for<Woods>, 9 for<fiber, paper, leather, rubber, polymer>

Table 3 Criteria for Packaging Substances

The target of this standard is packaging materials, etc. (packaging materials and protective materials)

Restricted substances contained in packaging materials, etc. shall satisfy the packaging material standards shown in the table below.

| GADSL No. | Substance (物質名) | 物質名(和名) | CAS-No. | Criteria for Packaging | Major Relevant Laws and Regulations(reference) | |
|-----------|---|---|---|---|---|---|
| | Sodium dichromate anhydrous | ニクロム酸ナトリウム [別名: 重クロム酸ナトリウム] | 10588-01-9 | A7/P8/A9 | Reg. (EU) No 528/2012 P7,P8,P9 : Prohibited Substances. ("P") to be included in specific product type under biocidal purpose in EU BPR regulation P7 : "P" in PT7, P8 : "P" in PT8, P9 : "P" in PT9 D7,D8,D9 : Substance which is allowed. ("D") to be included in specific product type under biocidal purpose in EU BPR regulation A7,A8,A9 : Substance which needs to be certificated. ("A") before it included in specific product type under biocidal purpose in EU BPR regulation. Allowed if it is in other than PT7, 8, or 9 not as "contained as biocide" Product-Type (PT) : 7 for<films or coatings>, 8 for<woods>, 9 for<fiber, paper, leather, rubber, polymer> | |
| | Sodium dichromate dihydrate | ニクロム酸ナトリウム二水和物 [別名: 重クロム酸ナトリウム二水和物] | 7789-12-0 | A7/P8/A9 | | |
| | Sodium dimethyldithiocarbamate | ナトリウム=シメチルジチオカルバマート | 128-04-1 | A7/A8/D9 | | |
| | Sodium hydrogen 2,2-methylenebis[4-chlorophenolate] | 2,2'-メチレンビス[4-クロロフェノレート]水素ナトリウム | 10187-52-7 | P7/A8/P9 | | |
| | Sodium hydrogensulphite; Sodium bisulphite | 亜硫酸水素ナトリウム | 7631-90-5 | A7/A8/P9 | | |
| | Sodium hydroxymethylamino acetate | ヒドロキシメチルアミノ酢酸ナトリウム | 70161-44-3 | P7/A8/A9 | | |
| | Sodium p-chloro-m-cresolate | ナトリウム4-クロロ-3-メチルフェノレート | 15733-22-9 | A7/A8/P9 | | |
| | Sodium pentachlorophenolate; Pentachlorophenol, sodium salt | ペンタクロロフェノールナトリウム | 131-52-2 | A7/P8/A9 | | |
| | Sodium sulphite | 亜硫酸ナトリウム | 7757-83-7 | A7/A8/P9 | | |
| | Symclocene; 1,3,5-Trichloro-1,3,5-triazinane-2,4,6-trione | シムクロセン | 87-90-1 | P7/A8/P9 | | |
| | TCMTB; (benzothiazol-2-ylthio)methyl thiocyanate | 2-[(チオシアナトメチル)スルファニル]-1,3-ベンゾチアゾール | 21564-17-0 | P7/A8/D9 | | |
| | Tebuconazole; 1-(4-chlorophenyl)-4,4-dimethyl-3-(1,2,4-triazol-1-ylmethyl)pentan-3-ol | テブコナゾール | 107534-96-3 | D7/D8/A9 | | |
| | Terbutryn | テルブトリン | 886-50-0 | D7/A8/D9 | | |
| | Tetrahydro-1,3,4,6-tetrakis(hydroxymethyl)imidazo[4,5-d]imidazole-2,5(1H,3H)-dione | N,N',N'',N'''-テトラメチロールグリオキサールウレイン | 5395-50-6 | A7/A8/P9 | | |
| | Tetrakis(hydroxymethyl)phosphonium sulphate(2:1) | テトラキス-ハイドロキシメチルホスホニウムスルファート | 55566-30-8 | A7/A8/P9 | | |
| | Thiabenzazole; Thiabenzazol; 2-(Thiazole-4-yl)benzimidazole | チアベンダゾール | 148-79-8 | D7/A8/D9 | | |
| | Thiacloprid | チアクロピリド | 111988-49-9 | A7/A8/A9 | | |
| | Thiamethoxam | チアメトキサム | 153719-23-4 | A7/A8/P9 | | |
| | Thiram; Tetramethylthiuram disulphide | チラム | 137-26-8 | P7/A8/P9 | | |
| | Tolnaftate | トルナフタート | 2398-96-1 | A7/A8/P9 | | |
| | Tolylfluorid; dichloro-N-[(dimethylamino)sulphonyl]fluoro-N-(p-tolyl)methanesulphenamide | トルフルアニド | 731-27-1 | D7/A8/A9 | | |
| | Tosylchloramide sodium | トシルクロルアミドナトリウム | 127-65-1 | A7/A8/P9 | | |
| | Triadimefon; 1-(4-chlorophenoxy)-3,3-dimethyl-1-(1,2,4-triazol-1-yl)butanone | トリアジメフォン | 43121-43-3 | A7/A8/A9 | | |
| | Tributyltetradecylphosphonium chloride | トリブチル(テトラデシル)ホスホニウムクロリド | 81741-28-8 | A7/A8/P9 | | |
| | Tributyltin naphthenate; Stannane, tributyl-, mono(naphthenoxy) derivs. | ナフテン酸トリブチルスズ | 85409-17-2 | A7/P8/A9 | | |
| | Triclosan; 2,4,4-Trichloro-2-hydroxy diphenyl ether; 5-Chloro-2-(2,4-dichlorophenoxy)phenol | トリクロサン [別名: 2,4,4'-トリクロロ-2'-ヒドロキシジフェニルエーテル] | 3380-34-5 | P7/A8/P9 | | |
| | Troclosene sodium; Sodium dichloroisocyanurate dihydrate | シクロロイソシアヌル酸ナトリウム | 2893-78-9 | A7/A8/P9 | | |
| | Troclosene sodium; Sodium dichloroisocyanurate dihydrate | シクロロイソシアヌル酸ナトリウム | 51580-86-0 | A7/A8/P9 | | |
| | Zeta-cypermethrin | ゼータ-シベルメトリン | 52315-07-8 | A7/D8/P9 | | |
| | Zinc oxide; C.I. 77947 | 酸化亜鉛 | 1314-13-2 | A7/P8/A9 | | |
| | Zinc sulphide | 硫化亜鉛 | 1314-98-3 | P7/A8/P9 | | |
| | Ziram | ジラム | 137-30-4 | P7/A8/P9 | | |
| 50 | Bis(chloromethyl) ether (BCME) | ビス(クロロメチル)エーテル (BCME) | 542-88-1 | Prohibited from intentional use | Canadian law (SOR/SOR/2005-41) Japanese law (OSHA) | |
| 54 | Cadmium and its compounds, all members | カドミウムとその化合物(全て) | 12014-29-8,51222-60-7,12656-57-4,58339-34-7,14402-75-6,7440-43-9,543-90-8,15743-19-8,12006-15-4,2420-98-6,7789-42-6,13464-92-1,513-78-0,10108-64-2,12185-64-7,100402-53-7,7790-78-5,14312-00-6,542-83-6,14923-81-0,7790-83-2,13832-25-2,14486-19-2,7790-79-6,17010-21-8,14067-62-0,21041-95-2,7790-81-0,7790-80-9,90604-90-3,1345-09-1,29870-72-2,13972-68-4,12187-14-3,10022-68-1,10325-94-7,1306-19-0,101356-99-4,102110-30-5,12139-22-9,12014-28-7,16986-83-7,1306-24-7,101357-00-0,101357-01-1,101357-02-2,101357-03-3,101357-04-4,12626-36-7,12214-12-9,71243-75-9,12213-70-6,11112-63-3,2223-93-0,141-00-4,10124-36-4,7790-84-3,1306-23-6,13477-23-1,12292-07-8,1306-25-8,12014-14-1,7790-85-4,16056-72-7,90604-89-0,11129-14-9,12442-27-2,8048-07-5,12139-23-0,4464-23-7,15337-60-7,14239-68-0,93820-02-1,13701-66-1,13755-33-4,37131-86-5,19262-93-2,15600-62-1,20648-91-3,93686-40-9,14520-70-8,13847-17-1,13477-17-3,13814-62-5,13814-59-0,13477-19-5,102184-95-2,14017-36-8,15851-44-2,15852-14-9,10196-67-5 | | Prohibited from Intentional Use. (In case of unintentional use, the sum of lead, cadmium, mercury and chromium (VI) present in packaging or packaging components are prohibited from use >0.01wt% (100ppm) | Packaging Directive 94/62/EC California State Health and Safety Code 25214.11 |
| 55 | Chlorinated hydrocarbons, selected | 塩素化炭化水素(指定物質) | 71-55-6 | Prohibited from use >0wt% (including unintentional use) | Montreal Protocol; EU-R 1005/2009 | |
| 56 | Chlorinated or brominated Dibenzo-p-dioxins or Dibenzofurans, all members | 塩素化及び臭素化ジベンゾジアキシンあるいはジベンゾフラン(全て) | 67562-39-4,35822-46-9,55673-89-7,70648-26-9,39227-28-6,57117-44-9,57653-85-7,72918-21-9,19408-74-3,57117-41-6,40321-76-4,60851-34-5,57117-31-4,51207-31-9,1746-01-6,33857-26-0,34465-46-8,39001-02-0,3268-87-9 | Prohibited from intentional use | POP's convention ChemVerbotsV | |

Table 3 Criteria for Packaging Substances

The target of this standard is packaging materials, etc. (packaging materials and protective materials)

Restricted substances contained in packaging materials, etc. shall satisfy the packaging material standards shown in the table below.

| GADSL No. | Substance (物質名) | 物質名(和名) | CAS-No. | Criteria for Packaging | Major Relevant Laws and Regulations(reference) |
|-----------|---|--|--|---|---|
| 57 | Chlorinated Paraffins, Short & Medium Chain Length (SCCP, MCCP), all members: Note that the use of specific CAS numbers for these substances differs throughout the world, or CAS numbers may be used that are not specific to chain length. Therefore, please consult your MSDS and supplier to determine product-specific chain length. | 直鎖塩素化パラフィン(短鎖, 中鎖)(全て)注: CAS No.で定義されている以外の鎖長の物質を含む場合があるため, MSDSの確認及びサプライヤーへの問い合わせを行って下さい。 | 非分岐の短鎖型塩素化パラフィン108171-26-2, 85535-84-8, 71011-12-6 非分岐の中鎖型塩素化パラフィンならびにその他: 短鎖, 中鎖を持つ物, 持たない物[分岐の中鎖型塩素化パラフィン] 85535-85-9[その他: 短鎖, 中鎖を持つ物, 持たない物] 84082-38-2, 61788-76-9, 85422-92-0, 51990-12-6, 63449-39-8, 68920-70-7, 85681-73-8, 85536-22-7, 84776-07-8, 85049-26-9, 97659-46-6, 84776-06-7, 97553-43-0, 18993-26-5, 601523-20-0, 601523-25-5, 221174-07-8, 276673-33-7, 219697-10-6, 219697-11-7, 36312-81-9 | Prohibited from use >0wt% (including unintentional use) Exempt, but prohibited from use >0wt% (including unintentional use) when short chain chlorinated paraffin (C10-13) is contained. | EU Regulation 519/2012 (EU)2019/1021 Canadian law POP's convention Japanese law (CSCL) (EU) 2015/2030 |
| 59 | Chromium(VI)-salts, all members | 六価クロム塩(全て) | 7789-09-5, 7788-98-9, 10294-40-3, 14312-00-6, 1344-38-3, 13765-19-0, 14307-33-6, 13454-78-9, 16037-50-6, 7738-94-5, 13530-68-2, 15586-38-6, 16565-94-9, 13423-61-5, 14445-91-1, 27133-66-0, 41189-36-0, 18540-29-9, 14986-48-2, 11119-70-3, 68475-49-0, 1333-82-0, 14977-61-8, 13455-25-9, 13548-42-0, 13675-47-3, 12017-86-6, 13453-35-5, 7758-97-6, 18454-12-1, 11113-70-5, 69011-07-0, 51899-02-6, 1344-37-2, 14307-35-8, 14104-85-9, 7789-10-8, 13465-34-4, 13444-75-2, 12656-85-8, 14721-18-7, 99328-50-4, 100402-65-1, 7789-00-6, 7778-50-9, 7784-01-2, 7789-12-0, 24613-89-6, 7775-11-3, 10588-01-9, 7789-06-2, 13473-75-1, 1328-67-2, 13530-65-9, 15930-94-6, 14018-95-2, 11103-86-9, 37300-23-5, 11115-74-5, 12433-50-0, 49663-84-5 | Prohibited from Intentional Use. (In case of unintentional use, the sum of lead, cadmium, mercury and chromium (VI) present in packaging or packaging components are prohibited from use >0.01wt% (100ppm) | Packaging Directive 94/62/EC California State Health and Safety Code 25214.11 |
| 66 | Cyclododecane, hexabromo- (HBCD) | ヘキサブロモシクロドデカン(HBCD) | 25637-99-4, 3194-55-6, 4736-49-6, 65701-47-5, 134237-50-6, 134237-51-7, 134237-52-8, 138257-17-7, 138257-18-8, 138257-19-9, 169102-57-2, 678970-15-5, 678970-16-6, 678970-17-7 | Prohibited from intentional use (Also prohibited from use >0.01wt% in case of unintentional use) | POP's convention Japanese law (CSCL) (EU) 2019/1021 |
| 79 | Diorganotin compounds, selected | 二置換有機スズ化合物(指定物質) | 3026-81-1, 22535-42-8, 13173-04-1, 33466-31-8, 32011-18-0, 17523-06-7, 1002-53-5, 10584-98-2, 17036-31-6, 25168-21-2, 25168-22-3, 28660-67-5, 4253-22-9, 59963-28-9, 93925-42-9, 54581-65-6, 53202-61-2, 7324-74-5, 5587-52-0, 51287-83-3, 2781-09-1, 29881-72-9, 26761-46-6, 1067-33-0, 5847-54-1, 3349-36-8, 683-18-1, 19704-60-0, 77-58-7, 1185-81-5, 10192-92-4, 1067-55-6, 4731-77-5, 13323-62-1, 13323-63-2, 14214-24-5, 5847-55-2, 75113-37-0, 85702-74-5, 85391-79-3, 95873-60-2, 78-04-6, 78-20-6, 78-06-8, 818-08-6, 25168-24-5, 15546-12-0, 85508-00-5, 61947-30-6, 15546-11-9, 15719-34-3, 15546-16-4, 2781-10-4, 15666-29-2, 163206-28-8, 68239-46-3, 22673-19-4, 32011-19-1, 67924-24-7 | By weight of tin in the articles or the parts: Prohibited from use >0.1wt% | REACH EU-R 1907/2006 Annex XVII (former 76/769/EEC), Turkish law See IMDS FAQ for calculation method (https://public.mdsystem.com/documents/10906/16811/faq_organo_tin_compounds_en-2020.pdf/0cd0633f-ddf9-44d5-8b13-8fc0d786c39c) |
| 90 | Dodecachloropentacyclo 1, 3, 4-Metheno-1H-cyclobuta(cD)pentalene, Mirex | ドデカクロロペンタシクロ[5.3.0.0(2,6).0(3,9).0(4,8)]デカン(別名: マイレックス) | 2385-85-5 | Prohibited from intentional use | POP's convention Canadian law (SOR/SOR/2005-41) Japanese law (CSCL) |
| 97 | Ethyl-/ Methyl-Glycols and their Acetates | エチレングリコールモノ(エチル/メチル)エーテルおよびそのアセテート類 | 109-86-4 | Prohibited from intentional use | Canadian law (SOR/SOR/2005-41) |
| 105 | Hexachlorobenzene(HCB) | ヘキサクロロベンゼン(HCB) | 118-74-1 | Prohibited from intentional use | Canadian law (SOR/SOR/2005-41) Japanese law (CSCL) |
| 106 | Hexachloro-1,3-butadiene (HCBd) | ヘキサクロロ-1,3-ブタジエン(HCBd) | 87-68-3 | Prohibited from intentional use | Canadian law (SOR/SOR/2005-41) (EU)2019/1021, US Federal law |
| 112 | Hydrobromofluorocarbons (HBFC's), all members | ハイドロフロロオロカーボン(HBFC's)(全て) | 75-82-1, 1868-53-7, 359-19-3, 1511-62-2, 762-49-2, 352-91-0, 460-32-2, 358-97-4, 460-25-3, 354-04-1, 431-21-0, 353-93-5, 306-80-9, 7304-53-2, 677-34-9, 353-97-9, 598-67-4, 420-88-2, 359-07-9, 666-48-8, 148875-98-3, 421-90-9, 460-86-6, 422-01-5, 677-52-1, 677-53-2, 22692-16-6, 460-88-8, 679-94-7, 26391-11-7, 53692-43-6, 53692-44-7, 148875-95-0, 666-25-1, 19041-01-1, 29151-25-5, 679-84-5, 70192-71-1, 70192-84-6, 460-67-3, 75732-14-4, 453-00-9, 1786-38-5, 51584-26-0, 62135-10-8, 62135-11-9, 111483-20-6, 430-87-5, 420-89-3, 420-98-4, 2195-05-3, 461-49-4, 420-47-3, 2252-78-0, 421-06-7, 354-06-3, 359-08-0, 1871-72-3 | Prohibited from intentional use | Montreal Protocol; EU-R 1005/2009 |
| 113 | Hydrochlorofluorocarbons (HCFC's), all members | ハイドロクロロフルオロカーボン(HCFC's)(全て) | 812-04-4, 354-21-2, 354-23-4, 1649-08-7, 431-06-1, 102738-79-4, 111512-56-2, 127564-82-3, 127564-90-3, 127564-91-4, 128903-21-9, 1330-45-6, 134190-49-1, 134190-51-5, 134237-35-7, 134237-36-8, 134237-37-9, 134237-38-0, 134237-39-1, 134237-40-4, 134237-41-5, 134237-42-6, 134237-43-7, 134237-44-8, 134237-45-9, 13474-88-9, 136013-79-1, 1842-05-3, 25167-88-8, 25915-78-0, 29470-94-8, 29470-95-9, 338-75-0, 41834-16-6, 420-44-0, 422-44-6, 127564-92-5, 422-48-0, 422-56-0, 431-86-7, 460-35-5, 460-69-5, 460-92-4, 507-55-1, 61623-04-9, 679-85-6, 7125-83-9, 7125-99-7, 7799-56-6, 818-99-5, 134190-52-6, 127404-11-9, 127564-83-4, 116890-51-8, 430-57-9, 430-58-0, 354-25-6, 75-68-3, 359-04-6, 2317-91-1, 460-16-2, 359-10-4, 25497-29-4, 75-45-6, 593-70-4, 63938-10-3, 75-43-4, 34077-87-7, 2366-36-1, 811-95-0, 359-28-4, 1717-00-6, 354-15-4, 338-64-7, 306-83-2, 2837-89-0, 55949-44-5, 338-65-8, 27154-33-2, 134190-53-7, 110587-14-9, 134190-54-8, 28987-04-4, 108662-83-5, 134190-50-4, 26588-23-8, 75-88-7, 116867-32-4, 134190-48-0, 421-04-5, 431-07-2, 430-53-5, 471-43-2, 354-11-0, 354-14-3 | Prohibited from intentional use | Montreal Protocol; EU-R 1005/2009 |
| 114 | Hydrofluorocarbons (HFC's), all members | ハイドロフルオロカーボン(HFC's)(全て) | 2252-84-8, 431-63-0, 811-97-2, 359-35-3, 430-66-0, 75-37-6, 624-72-6, 25497-28-3, 75-10-5, 420-46-2, 354-33-6, 353-36-6, 593-53-3, 1814-88-6, 460-73-1, 406-58-6, 138495-42-8, 431-89-0, 690-39-1, 27070-61-7, 27987-06-0, 75-46-7 | Prohibited from intentional use | (EU)No 517/2014 Danish law |
| 120 | Isopropylphenyl phosphate (PIP) | 2, 2 - ビス [3 , 5 - シプロモ - 4 - (2 , 3 - シプロモプロポキシ) フェニル] フロホリン | 68937-41-7 | Prohibited from intentional use | US Federal law |

Table 3 Criteria for Packaging Substances

The target of this standard is packaging materials, etc. (packaging materials and protective materials)

Restricted substances contained in packaging materials, etc. shall satisfy the packaging material standards shown in the table below.

| GADSL No. | Substance (物質名) | 物質名(和名) | CAS-No. | Criteria for Packaging | Major Relevant Laws and Regulations(reference) |
|-----------|--|--------------|--|--|--|
| 121 (1/4) | Lead and its compounds, all members | 鉛とその化合物(全て) | 94246-92-1,94246-91-0,94246-90-9,94246-93-2,94246-86-3,94246-85-2,94246-87-4,94246-84-1,94481-58-0,93894-64-5,68901-12-2,84837-22-9,94015-57-3,14450-60-3,512-26-5,6107-83-1,18608-34-9,90193-83-2,12275-07-9,54554-36-8,15245-44-0,70268-38-1,68901-11-1,13698-55-0,90268-59-0,90268-66-9,90552-19-5,68155-47-5,51105-45-4,19651-80-0,97952-39-1,90388-15-1,15347-55-4,90459-88-4,51404-69-4,2587-82-8,5711-19-3,1162-06-7,53404-12-9,12608-25-2,84961-75-1,17549-30-3,62451-77-8,15282-88-9,65229-22-3,12048-28-1,815-84-9,93892-65-0,25510-11-6,68604-05-7,1520-78-1,1153-06-6,1344-37-2,11119-70-3,116565-74-3,1344-38-3,68411-07-4,62637-99-4,90342-24-8,20403-42-3,6928-68-3,109707-90-6,16450-50-3,56189-09-4,11116-83-9,12017-86-6,37240-96-3,2117-69-3,2388-00-3,3124-01-4,3249-61-4,90342-56-6,15773-55-4,68131-60-2,93165-26-5,91031-62-8,84776-54-5,125328-49-6,91002-20-9,91031-61-7,85049-42-9,68409-79-0,84776-53-4,84776-36-3,91031-60-6,81412-57-9,91697-36-8,92044-89-8,61788-53-2,61788-54-3,94349-78-7,70514-05-5,7056-83-9,68989-89-9,22904-40-1,12029-23-1,94006-20-9 | Prohibited from Intentional Use. (In case of unintentional use, the sum of lead, cadmium, mercury and chromium (VI) present in packaging or packaging components are prohibited from use >0.01wt% (100ppm)) | Packaging Directive 94/62/EC California State Health and Safety Code 25214.11 |
| 121 (2/4) | Lead and its compounds, all members | 鉛とその化合物(全て) | 90388-09-3,90388-10-6,301-08-6,23621-79-6,71753-04-3,12023-90-4,90431-14-4,91671-82-8,27253-41-4,90431-21-3,64504-12-7,90431-26-8,91671-83-9,91671-84-0,15306-30-6,69029-71-6,7439-92-1,6080-56-4,35029-96-0,546-67-8,65127-78-8,20936-32-7,16996-40-0,93839-98-6,60580-60-1,15347-57-6,301-04-2,14466-01-4,69011-59-2,69011-60-5,13510-89-9,12266-38-5,3687-31-8,7784-40-9,10102-48-4,7645-25-2,10031-13-7,13424-46-9,15907-04-7,58405-97-3,93840-04-1,35837-70-8,85392-78-5,85392-77-4,52847-85-5,93965-29-8,72586-00-6,41556-46-1,84394-98-9,85865-91-4,93966-37-1,85865-92-5,14720-53-7,41453-50-3,10031-22-8,598-63-0,7758-95-4,12612-47-4,12205-72-0,7758-97-6,18454-12-1,11113-70-5,69011-07-0,51899-02-6,20890-10-2,20837-86-9,35112-70-0,592-05-2,873-54-1,34018-28-5,65119-94-0,819-73-8,29597-84-0,15773-53-2,18917-82-3,33627-12-2,19010-66-3,32112-52-0,15773-56-5,10294-58-3,6477-64-1,814-70-0,13767-78-7,12137-74-5,94232-40-3,13814-96-5,7783-46-2,97889-90-2,25808-74-6,811-54-1,12435-47-1,1310-03-8,19783-14-3,39345-91-0,12268-84-7,87903-39-7,94266-32-7,94266-31-6,25659-31-8,10101-63-0,38787-87-0,16996-51-3,816-68-2,19136-34-6,1068-61-7,52609-46-8,10190-55-3,1317-36-8,20403-41-2. | Prohibited from Intentional Use. (In case of unintentional use, the sum of lead, cadmium, mercury and chromium (VI) present in packaging or packaging components are prohibited from use >0.01wt% (100ppm)) | Packaging Directive 94/62/EC California State Health and Safety Code 25214.11 |
| 121 (3/4) | Lead and its compounds, all members | 鉛とその化合物(全て) | 50825-29-1,61790-14-5,12034-88-7,27253-28-7,10099-74-8,51317-24-9,1120-46-3,814-93-7,1335-25-7,12059-89-1,68411-78-9,69029-53-4,12141-20-7,1344-40-7,12765-51-4,12036-76-9,12202-17-4,12065-90-6,19528-55-3,93966-74-6,13637-76-8,1309-60-0,7446-27-7,16183-12-3,6838-85-3,25721-38-4,42558-73-6,13453-66-2,37194-88-0,29473-77-6,7446-15-3,12069-00-0,7488-51-9,11120-22-2,13566-17-1,22569-74-0,12687-78-4,67711-86-8,7428-48-0,52652-59-2,1335-32-6,1191-18-0,15739-80-7,7446-14-2,12397-06-7,1314-87-0,116565-73-2,12065-68-8,1314-91-6,13845-35-7,13463-30-4,93966-38-2,1314-41-6,592-87-0,13478-50-7,12036-31-6,12060-00-3,12626-81-2,1314-27-8,7759-01-5,12737-98-3,10099-79-3,12060-01-4,13094-04-7,93858-24-3,13406-89-8,85292-77-9,93858-23-2,65121-76-8,867-47-0,15773-52-1,63399-94-0,95892-13-0,70727-02-5,71684-29-2,93894-48-5,93894-49-6,7319-86-0,7717-46-6,71686-03-8,84852-34-6,93981-67-0,17406-54-1,7783-59-7,79357-62-3,17976-43-1,69011-06-9,57142-78-6,15187-16-3,90431-30-4,90431-31-5,90431-32-6,90431-33-7,90431-34-8,90431-35-9,68187-37-1,70513-89-2,69029-50-1,69029-51-2,15748-73-9,36501-84-5,75790-73-7,12578-12-0,97808-88-3,79803-79-5,84067-00-5,92200-92-5,84066-98-8,83711-45-9,83711-46-0,83711-47-1,84066-99-9,70084-67-2,90431-28-0,90431-27-9,125494-56-6,70321-55-0,96471-22-6,12403-82-6 | Prohibited from Intentional Use. (In case of unintentional use, the sum of lead, cadmium, mercury and chromium (VI) present in packaging or packaging components are prohibited from use >0.01wt% (100ppm)) | Packaging Directive 94/62/EC California State Health and Safety Code 25214.11 |
| 121 (4/4) | Lead and its compounds, all members | 鉛とその化合物(全て) | 69029-52-3,69029-45-4,69029-46-5,69227-11-8,100656-49-3,90431-36-0,90431-37-1,90431-38-2,101012-92-4,90431-39-3,84929-94-2,84929-97-5,90431-40-6,90431-41-7,68515-80-0,90431-42-8,101013-06-3,84929-95-3,90431-43-9,84929-96-4,90431-44-0,94551-60-7,68990-75-0,68152-99-8,17570-76-2,12656-85-8,63568-30-9,61867-68-3,91078-81-8,61788-52-1,92045-67-5,90459-25-9,90459-26-0,90459-28-2,97953-08-7,13826-65-8,90459-51-1,90459-52-2,52080-60-1,15696-43-2,35498-15-8,99749-31-2,67674-14-0,50319-14-7,68586-21-0,122332-23-4,16038-76-9,53807-64-0,24824-71-3,13453-65-1,15521-60-5,15845-52-0,93925-27-0,20383-42-0,91783-10-7,1067-14-7,1762-27-2,68610-17-3,1762-26-1,1920-90-7,14846-40-3,65151-08-8,1762-28-3,12034-30-9,12013-69-3,12372-45-1,102110-49-6,6107-93-3,100402-96-8,10099-76-0,15906-71-5,102110-36-1,68130-19-8,70514-37-3,93821-72-8,1326-05-2,1072-35-1,42579-89-5,99328-54-8,52732-72-6,90583-07-6,52231-92-2,62229-08-7,90583-37-2,7446-10-8,15851-47-5,90583-65-6,78-00-2,75-74-1,595-89-1,3440-75-3,26265-65-6,39412-44-7,51325-28-1,61789-50-2,1319-46-6,10214-39-8,68603-83-8,78690-68-3, (No CAS RN: Lead borosilicate Pb5B2SiO10) | Prohibited from Intentional Use. (In case of unintentional use, the sum of lead, cadmium, mercury and chromium (VI) present in packaging or packaging components are prohibited from use >0.01wt% (100ppm)) | Packaging Directive 94/62/EC California State Health and Safety Code 25214.11 |
| 122 (1/2) | Mercury and its compounds, all members | 水銀とその化合物(全て) | 55728-51-3,29870-72-2,52795-88-7,14066-61-6,109-62-6,108-07-6,3294-58-4,27360-58-3,18918-06-4,2701-61-3,31224-71-2,2279-64-3,61792-06-1,94070-92-5,93882-20-3,19367-79-4,6273-99-0,23319-66-6,27605-30-7,5722-59-8,31632-68-5,148-61-8,124-08-3,124-01-6,584-18-9,123-88-6,133-58-4,10048-99-4,94276-38-7,94481-62-6,84029-43-6,18917-83-4,6795-81-9,33724-17-3,13294-23-0,18832-83-2,107-26-6,506-83-2,1192-89-8,62-37-3,1320-80-5,90-03-9,3076-91-3,5857-39-6,5955-19-1,2777-37-9,27685-51-4,62638-02-2,33445-15-7,627-44-1,102-98-7,93820-20-3,1310-88-9,13967-25-4,15385-57-6,2949-11-3,3810-81-9,593-74-8,616-99-9,27236-65-3,587-85-9,15682-88-9,584-43-0,2440-42-8,107-27-7,2235-25-8,3570-80-7,13170-76-8,14235-86-0,64491-92-5,94277-53-9,26552-50-1,143-36-2,122-64-5,4386-35-0,21259-76-7,525-30-4,59-85-8,138-85-2,72379-35-2,20582-71-2,63325-16-6,13876-85-2,1600-27-7,7784-37-4,583-15-3,7789-47-1,7487-94-7,592-04-1,7774-29-0,10045-94-0,21908-53-2,1335-31-5,591-89-9,1312-03-4,7783-35-9,592-85-8,498-73-7,631-60-7,38232-63-2,7546-30-7,7783-30-4,10415-75-5,15829-53-5,7783-36-0,7439-97-6,5326-00-1,13465-34-4,14836-60-3,13444-75-2 | Prohibited from Intentional Use. (In case of unintentional use, the sum of lead, cadmium, mercury and chromium (VI) present in packaging or packaging components are prohibited from use >0.01wt% (100ppm)) | Packaging Directive 94/62/EC California State Health and Safety Code 25214.11 |

Table 3 Criteria for Packaging Substances

The target of this standard is packaging materials, etc. (packaging materials and protective materials)

Restricted substances contained in packaging materials, etc. shall satisfy the packaging material standards shown in the table below.

| GADSL No. | Substance (物質名) | 物質名(和名) | CAS-No. | Criteria for Packaging | Major Relevant Laws and Regulations(reference) |
|--------------|---|-------------------------------|--|--|--|
| 122 (2/2) | Mercury and its compounds, all members | 水銀とその化合物(全て) | 7783-34-8,592-63-2,68833-55-6,10124-48-8,15516-76-4,13257-51-7,15385-58-7,10031-18-2,10112-91-1,7789-10-8,7783-32-6,14099-12-8,7784-03-4,645-99-8,27575-47-9,7783-39-3,63937-14-4,12136-15-1,1191-80-6,5970-32-1,20601-83-6,12344-40-0,589-65-1,1344-48-5,12068-90-5,94022-47-6,13465-33-3,71720-55-3,2923-15-1,22450-90-4,7756-49-2,26719-07-3,53010-52-9,3444-13-1,7783-33-7,103332-13-4,103369-15-9,104325-07-7,104325-08-8,104335-53-7,104339-46-0,129-16-8,13302-00-6,104-60-9,63468-53-1,6283-24-5,5954-14-3,19447-62-2,68201-97-8,26545-49-3,24806-32-4,33770-60-4,537-64-4,63549-47-3,14783-59-6,24579-90-6,623-07-4,539-43-5,1785-43-9,90584-88-6,15785-93-0,12055-37-7,57363-77-6,11083-41-3,629-35-6,141-51-5,86-85-1,56724-82-4,103-27-5,3294-57-3,115-09-3,492-18-2,486-67-9,151-38-2,502-39-6,22967-92-6,3626-13-9,1184-57-2,517-16-8,1336-96-5,13465-31-1,16509-11-8,7616-83-3,14354-56-4,3294-60-8,62-38-4,100-57-2,55-68-5,94-43-9,100-56-1,32407-99-1,8003-05-2,28086-13-7,104-59-6,10451-12-4,22330-18-3,7620-30-6,3198-04-7,54-64-8,5964-24-9,54295-90-8,18211-85-3,1345-09-1,7548-26-7,628-86-4 | Prohibited from intentional use. (In case of unintentional use, the sum of lead, cadmium, mercury and chromium (VI) present in packaging or packaging components are prohibited from use >0.01wt% (100ppm) | Packaging Directive 94/62/EC California State Health and Safety Code 25214.11 |
| 133 | Monomethyldibromodiphenylmethane | モノメチルジブロモジフェニルメタン (DBBT) | 99688-47-8 | Prohibited from intentional use | EU Regulation 848/2012 (REACH EU-R 1907/2006 Annex XVII), Turkish law |
| 134 | Monomethyldichlorodiphenylmethane | モノメチルジクロロジフェニルメタン | 81161-70-8 | Prohibited from intentional use | EU Regulation 848/2012 (REACH EU-R 1907/2006 Annex XVII), Turkish law |
| 135 | Monomethyltetrachlorodiphenylmethane | モノメチルテトラクロロジフェニルメタン | 76253-60-6 | Prohibited from intentional use | EU Regulation 848/2012 (REACH EU-R 1907/2006 Annex XVII), Turkish law |
| 145 | N-Nitrosamines, selected | N-ニトロソアミン(指定物質) | 62-75-9 | Prohibited from intentional use | Canadian law (SOR/SOR/2005-41) German law (TRGS 552, TRGS 615) |
| 154 | Ozone depleting halogenated Hydrocarbons and Carbons, all members | オゾン層破壊ハロゲン化炭化水素(全て) | 76-11-9,3182-26-1,2354-06-5,2268-46-4,354-48-3,4259-43-2,76-13-1,27336-23-8,430-85-3,374-07-2,1599-41-3,76-17-5,13749-38-7,354-51-8,630-25-1,661-97-2,127564-92-5,76-12-0,758-24-7,5870-61-1,353-59-3,353-58-2,373-52-4,354-55-2,598-73-2,75-63-8,558-13-4,56-23-5,74-97-5,74925-63-6,124-48-1,79-38-9,75-72-9,76-14-2,594-18-3,75-61-6,25497-30-7,124-73-2,75-71-8,1320-37-2,354-06-3,354-20-1,51230-17-2,51230-18-3,598-16-3,79-28-7,135401-87-5,422-78-6,422-86-6,134452-44-1,67-72-1,75-62-7,353-54-8,74-83-9,76-15-3,75-95-6,354-56-3,134237-31-3,29255-31-0,594-15-0,75-69-4,26523-64-8,354-58-5 | Prohibited from intentional use | Montreal Protocol; EU-R 1005/2009 |
| 155 | Pentachlorobenzene | ペンタクロロベンゼン | 608-93-5 | Prohibited from intentional use | POP's convention Canadian law (SOR/SOR/2005-41) |
| 156 | Pentachlorophenol (PCP) and its salts and esters, all members | ペンタクロロフェノール(PCP)とその塩とエステル(全て) | 5902-76-1,87-86-5,7778-73-6,131-52-2,2917-32-0 | Prohibited from use >0wt% (including unintentional use) | (EU)2019/1021 German law (ChemVerbotsV) Japanese law(CSCL) |
| 166 | PFOA and its salts | PFOAとその塩 | 335-67-1, 45285-51-6, 90480-55-0, 1882109-81-0, 1882109-80-9, 1882109-79-6, 1882109-78-5, 1882109-77-4, 1882109-76-3, 1882109-75-2, 1882109-74-1, 1882109-73-0, 1882109-72-9, 1882109-71-8, 1882109-70-7, 1882109-68-3, 1882109-67-2, 1882109-66-1, 1882109-65-0, 1882109-64-9, 1882109-63-8, 1882109-62-7, 1882109-61-6, 1882109-60-5, 1882109-59-2, 1882109-58-1, 1812247-20-3, 1812247-19-0, 1812247-18-9, 1812247-17-8, 1192593-79-5, 1144512-36-6, 1144512-35-5, 1144512-34-4, 1144512-18-4, 909009-42-3, 705240-04-6, 207678-51-1, 123116-17-6, 35605-76-6, 15166-06-0, 90480-56-1, 3825-26-1, 335-95-5, 2395-00-8, 335-93-3, 68141-02-6, 98241-25-9, 13058-06-5, 1195164-59-0, 19742-57-5, 61436-04-2, 29457-73-6, 18017-22-6, 15739-82-9, 15715-47-6 | Prohibited from use >25ppb(0.000025wt%) Except the articles put on the market before July 4, 2020. | REACH EU-R 1907/2006 Annex XVII 2017/1000 Japanese law (CSCL) |
| 167 (1/2) | PFOA related Compounds | PFOA関連物質 | 68333-92-6, 91032-01-8, 72968-38-8, 376-27-2, 3108-24-5, 33496-48-9, 68412-69-1, 93062-53-4, 40143-79-1, 610800-34-5, 335-66-0, 507-63-1, 307-50-6, 307-60-8, 307-63-1, 335-79-5, 376-04-5, 423-62-1, 558-97-4, 677-93-0, 3248-61-1, 3248-63-3, 307-43-7, 90622-71-2, 2043-53-0, 2043-54-1, 30046-31-2, 65510-55-6, 65510-56-7, 68188-12-5, 68390-33-0, 21652-58-4, 30389-25-4, 60699-51-6, 39239-77-5, 865-86-1, 678-39-7, 70887-94-4, 53826-13-4, 70887-84-2, 27854-31-5, 63295-27-2, 63295-28-3, 63295-29-4, 94158-70-0, 94200-46-1, 94200-47-2, 94200-48-3, 94200-50-7, 94200-51-8, 94200-52-9, 57678-03-2, 678-41-1, 93857-44-4, 57678-05-4, 1895-26-7, 16083-78-6, 4980-53-4, 6014-75-1, 16083-87-7, 52956-82-8, 74256-14-7, 74256-15-8, 17741-60-5, 2144-54-9, 27905-45-9, 1996-88-9, 85631-54-5, 91615-22-4, 94158-63-1, 94158-64-2, 94158-65-3, 93776-12-6, 93776-13-7, 94159-83-8, 94159-79-2, 94159-80-5, 94159-82-7, 99955-83-6, 302911-86-0, 3102-79-2, 74612-30-9, 101947-16-4, 78560-44-8, 83048-65-1, 68187-42-8, 70969-47-0, 95370-51-7, 148240-85-1, 148240-87-3, 148240-89-5, 183146-60-3, 71608-61-2, 94200-45-0, 93776-00-2, 115592-83-1, 129783-45-5, 144031-01-6, 116984-14-6, 74049-08-4, 65104-45-2, 53515-73-4, 90622-99-4, 71356-38-2, 85681-64-7, 125328-29-2, 325459-92-5, 326475-46-1, 39186-68-0, 41358-63-8, 24216-05-5, 53517-98-9, 85938-56-3, 89685-61-0, 84029-60-7, 4151-50-2 | Prohibited from intentional use. In case of unintentional use or in any combination Prohibited from use >1000ppb(0.0001wt%). Except the articles put on the market before July 4, 2020. | REACH EU-R 1907/2006 Annex XVII 2017/1000 Korean POPs |

Table 3 Criteria for Packaging Substances

The target of this standard is packaging materials, etc. (packaging materials and protective materials)

Restricted substances contained in packaging materials, etc. shall satisfy the packaging material standards shown in the table below.

| GADSL No. | Substance (物質名) | 物質名(和名) | CAS-No. | Criteria for Packaging | Major Relevant Laws and Regulations(reference) |
|-----------|------------------------------|--------------|--|---|---|
| 168 (1/7) | Other PFOA Related Compounds | その他のPFOA関連物質 | 2043-52-9, 10258-49-8, 25291-12-7, 169331-74-2, 25431-45-2, 38787-57-4, 25431-48-5, 918-32-1, 38787-66-5, 109856-51-1, 57325-44-7, 89889-22-5, 755-02-2, 25600-66-2, 25431-52-1, 307-29-9, 307-30-2, 57325-43-6, 5678-75-1, 16083-64-0, 2837-34-5, 52717-05-2, 647-12-1, 38787-60-9, 335-60-4, 31185-69-0, 52717-06-3, 754-85-8, 92914-88-0, 335-64-8, 812-70-4, 222037-87-8, 307-31-3, 45291-33-6, 864071-08-9, 864071-09-0, 927835-01-6, 98065-31-7, 51249-68-4, 812-72-6, 20084-49-5, 27607-61-0, 423-54-1, 3145-68-4, 307-96-0, 4314-38-9, 20120-44-9, 307-93-7, 307-98-2, 25061-59-0, 3934-23-4, 171184-15-9, 111918-97-9, 17352-09-9, 15435-88-8, 886046-97-5, 29723-33-9, 424-01-1, 37696-83-6, 129560-87-8, 37696-86-9, 73782-58-8, 1407514-44-6, 869308-35-0, 24962-65-0, 118454-01-6, 24120-18-1, 230295-06-4, 335-90-0, 37043-12-2, 186043-52-7, 110388-02-8, 29680-98-6, 95215-99-9, 518358-34-4, 118826-52-1, 103188-04-1, 864149-62-2, 305848-92-4, 2212-77-3, 90179-39-8, 90480-57-2, 93480-00-3, 1799-55-9, 5158-52-1, 29014-57-1, 32609-65-7, 63439-39-4, 90218-71-6, 105656-07-3, 105681-94-5, 277749-00-5, 1017277-36-9, 206886-57-9, 122402-79-3, 160336-09-4, 321318-71-2, 501098-09-5, 185701-89-7, 125476-71-3, 161045-59-6 | Prohibited from intentional use. In case of unintentional use; Individually or in any combination Prohibited from use >1000ppb(0.0001wt%). Except the articles put on the market before July 4, 2020. | |
| 168 (2/7) | Other PFOA Related Compounds | その他のPFOA関連物質 | 165320-75-2, 85631-54-5, 21652-57-3, 38550-35-5, 922524-04-7, 55009-88-6, 332136-76-2, 51249-63-9, 99325-00-5, 92835-74-0, 96791-81-0, 641617-25-6, 53638-09-8, 59665-26-8, 214358-54-0, 176979-17-2, 51249-65-1, 1257261-93-0, 53638-13-4, 110927-73-6, 30670-30-5, 176979-18-3, 1257261-94-1, 176979-19-4, 1257261-91-8, 1257261-95-2, 34143-74-3, 38550-45-7, 356056-15-0, 136022-91-8, 135984-68-8, 34451-28-0, 102488-49-3, 38550-46-8, 56184-40-8, 94159-84-9, 864551-38-2, 356056-16-1, 460744-98-3, 25474-72-0, 51249-69-5, 959462-52-3, 1254971-75-9, 123445-18-1, 1221157-06-7, 53638-14-5, 135440-42-5, 35709-15-0, 64018-23-1, 784189-62-4, 1980064-30-9, 1980086-18-7, 186599-47-3, 731858-13-2, 146090-84-8, 64018-26-4, 142502-68-9, 731858-15-4, 186599-45-1, 136022-86-1, 521084-64-0, 80220-63-9, 36880-07-6, 92678-93-8, 246234-80-0, 92678-96-1, 27607-42-7, 864551-40-6, 1383918-01-1, 129498-18-6, 252237-39-1, 136909-85-8, 38565-53-6, 61726-43-0, 142010-50-2, 195324-88-0, 27619-90-5, 52835-16-2, 133377-48-7, 340157-97-3, 61726-45-2, 38565-54-7, 39108-34-4, 27607-36-9, 356055-77-1, 609816-23-1, 96497-21-1, 145876-00-2, 27619-91-6, 1262446-13-8 | Prohibited from intentional use. In case of unintentional use; Individually or in any combination Prohibited from use >1000ppb(0.0001wt%). Except the articles put on the market before July 4, 2020. | REACH EU-R 1907/2006 Annex XVII 2017/1000 Korean POPs |
| 168 (3/7) | Other PFOA Related Compounds | その他のPFOA関連物質 | 93857-45-5, 37858-04-1, 90146-96-6, 120226-60-0, 1262446-14-9, 125640-21-3, 36554-97-9, 854095-13-9, 31841-41-5, 42977-21-9, 90183-56-5, 500776-69-2, 93345-48-3, 96250-52-1, 25935-14-2, 61798-68-3, 15498-45-0, 93776-20-6, 93776-21-7, 149790-22-7, 142623-70-9, 106554-16-9, 462996-04-9, 54950-04-8, 86130-60-1, 188034-84-6, 135587-17-6, 152682-85-4, 229957-05-5, 649561-66-0, 882186-02-9, 113823-56-6, 892154-91-5, 93491-54-4, 243977-25-5, 93128-66-6, 342889-38-7, 865758-37-8, 331716-84-8, 234096-30-1, 934166-50-4, 89932-76-3, 1161917-33-4, 865758-36-7, 865758-47-0, 343343-17-9, 48077-95-8, 72276-05-2, 864551-34-8, 556050-49-8, 902456-09-1, 1401422-19-2, 1401422-22-7, 1401422-21-6, 18017-20-4, 20015-46-7, 16083-62-8, 58935-89-0, 24564-77-0, 50836-65-2, 50836-66-3, 30769-91-6, 16083-75-3, 16083-81-1, 610778-18-2, 72623-77-9, 332076-28-5, 332076-33-2, 332076-34-3, 68391-08-2, 90622-43-8, 93776-01-3, 93776-07-9, 85631-40-9, 91081-09-3, 92129-34-5, 97660-44-1, 98219-29-5, 115340-82-4, 115535-36-9, 127133-57-7, 145477-02-7, 153325-45-2, 238420-68-3, 238420-80-9, 510732-30-6, 93705-98-7, 91648-32-7, 90062-89-8, 68954-01-8, 119973-85-2, 142636-88-2, 142636-90-6 | Prohibited from intentional use. In case of unintentional use; Individually or in any combination Prohibited from use >1000ppb(0.0001wt%). Except the articles put on the market before July 4, 2020. | |
| 168 (4/7) | Other PFOA Related Compounds | その他のPFOA関連物質 | 142636-91-7, 146289-38-5, 150135-57-2, 174125-96-3, 178233-67-5, 178535-23-4, 186397-57-9, 193635-71-1, 196316-34-4, 202875-75-0, 203743-03-7, 221455-72-7, 376364-33-9, 479029-28-2, 84029-54-9, 502135-45-7, 503284-73-9, 503287-56-7, 503296-97-7, 503297-86-7, 503299-29-4, 503299-50-1, 509086-57-1, 510732-38-4, 510732-48-6, 510733-10-5, 510734-75-5, 511271-18-4, 511271-19-5, 512179-48-5, 515152-55-3, 57677-98-2, 85995-91-1, 185630-70-0, 68516-17-6, 68784-73-6, 68988-52-3, 68988-53-4, 68988-54-5, 68988-55-6, 84238-62-0, 85995-90-0, 101940-12-9, 170424-64-3, 206009-80-5, 206009-81-6, 68037-23-0, 68140-20-5, 68140-21-6, 68187-24-6, 68187-25-7, 143372-54-7, 160965-19-5, 180582-79-0, 297175-71-4, 70983-59-4, 70983-60-7, 70983-61-8, 71205-28-2, 71608-37-2, 71608-39-4, 71608-40-7, 71608-43-0, 71608-44-1, 71608-45-2, 71608-46-3, 71608-58-7, 71608-60-1, 71608-63-4, 72779-05-6, 118400-71-8, 144468-31-5, 68990-40-9, 113089-67-1, 118102-37-7, 118102-38-8, 135228-60-3, 144468-32-6, 148240-86-2, 148240-88-4, 253873-70-0, 26650-10-2, 34455-21-5, 34455-35-1, 52299-27-1, 57677-97-1, 68155-04-4, 88248-34-4, 90146-97-7, 90718-04-0, 93776-02-4, 93776-08-0, 93776-14-8, 94158-61-9, 94159-85-0 | Prohibited from intentional use. In case of unintentional use; Individually or in any combination Prohibited from use >1000ppb(0.0001wt%). Except the articles put on the market before July 4, 2020. | |
| 168 (5/7) | Other PFOA Related Compounds | その他のPFOA関連物質 | 94159-86-1, 94159-87-2, 94159-91-8, 97259-81-9, 104242-01-5, 105416-14-6, 106826-29-3, 107097-76-7, 110070-82-1, 110570-84-8, 112310-55-1, 112311-93-0, 112328-98-0, 113150-11-1, 118570-85-7, 119973-84-1, 121065-52-9, 127133-54-4, 146443-00-7, 149724-40-3, 150409-17-9, 150409-18-0, 150409-19-1, 151686-30-5, 152992-46-6, 154965-63-6, 160336-21-0, 160402-15-3, 160402-26-6, 160498-33-9, 160709-28-4, 160994-74-1, 162491-88-5, 163921-85-5, 165967-96-4, 167229-03-0, 170004-70-3, 176590-84-4, 176741-19-8, 176894-23-8, 182700-79-4, 200295-54-1, 200295-55-2, 200413-68-9, 200513-42-4, 210432-72-7, 212013-58-6, 214002-95-6, 218286-10-3, 220459-70-1, 221455-57-8, 221455-61-4, 221455-62-5, 221455-63-6, 221455-64-7, 221455-67-0, 221455-71-6, 221455-73-8, 223586-53-6, 224790-87-8, 224790-97-0, 230295-05-3, 247047-61-6, 247109-50-8, 256488-93-4, 260794-06-7, 260794-09-0, 263260-98-6, 277752-44-0, 287391-07-5, 304012-61-1, 321371-84-0, 330809-58-0, 339163-51-8, 348137-34-8, 357924-15-3, 374551-53-8, 380843-06-1, 393582-46-2, 393582-59-7, 393819-33-5, 399026-30-3, 438237-77-5, 459415-06-6, 464178-90-3, 476304-39-9, 477529-30-9, 503431-63-8, 503448-36-0, 503621-60-1 | Prohibited from intentional use. In case of unintentional use; Individually or in any combination Prohibited from use >1000ppb(0.0001wt%). Except the articles put on the market before July 4, 2020. | |

Table 3 Criteria for Packaging Substances

The target of this standard is packaging materials, etc. (packaging materials and protective materials)

Restricted substances contained in packaging materials, etc. shall satisfy the packaging material standards shown in the table below.

| GADSL No. | Substance (物質名) | 物質名(和名) | CAS-No. | Criteria for Packaging | Major Relevant Laws and Regulations(reference) |
|-----------|---|---|--|---|---|
| 168 (6/7) | Other PFOA Related Compounds | その他のPFOA関連物質 | 503621-79-2, 503621-80-5, 503621-81-6, 504395-90-8, 518045-14-2, 524729-93-9, 644965-83-3, 671756-62-0, 761418-87-5, 790697-52-8, 831241-91-9, 878409-15-5, 1078142-10-5, 1078712-88-5, 1094598-90-9, 1223402-68-3, 1264198-78-8, 1429174-38-8, 1430799-96-4, 1221681-75-9, 63225-58-1, 63225-57-0, 1374418-39-9, 325966-78-7, 254889-79-7, 254889-72-0, 253683-00-0, 167289-73-8, 333784-46-6, 333784-44-4, 254889-67-3, 86508-42-1, 30046-31-2, 93776-15-9, 93776-17-1, 182176-52-9, 17125-58-5, 176676-70-3, 1545-59-1, 87017-97-8, 191852-87-6, 54009-73-3, 63295-18-1, 63295-19-2, 63295-23-8, 63295-24-9, 63295-22-7, 90179-37-6, 98005-85-7, 98005-84-6, 1158182-60-5, 1578186-42-1, 1158182-61-6, 63295-20-5, 63295-26-1, 2343-53-5, 1578186-53-4, 1578186-56-7, 1578186-64-7, 1578186-57-8, 441765-20-4, 146955-29-5, 76962-34-0, 1189587-64-1, 77117-48-7, 1835250-28-6, 182130-12-7, 1835250-47-9, 182130-14-9, 182130-15-0, 96791-81-0, 931415-52-0, 138472-76-1, 117146-18-6, 133310-73-3, 137338-39-7, 137338-40-0, 137338-41-1, 154478-87-2, 1835251-22-3, 1244062-17-6, 250738-42-2, 116177-54-9, 200817-54-5, 93454-70-7, 125635-85-0, 90499-29-9, 93454-71-8, 133299-41-9, 100550-08-1, 1244062-16-5, 31200-97-2 | Prohibited from intentional use. In case of unintentional use; Individually or in any combination Prohibited from use >1000ppb(0.0001wt%). Except the articles put on the market before July 4, 2020. | |
| 168 (7/7) | Other PFOA Related Compounds | その他のPFOA関連物質 | 423-56-3, 307-37-9, 307-46-0, 63967-40-8, 335-73-9, 63967-42-0, 56900-98-2, 88243-13-4, 88243-12-3, 55427-54-8, 88271-22-1, 88243-14-5, 88243-15-6, 88247-39-6, 88243-11-2, 88243-16-7, 88243-10-1, 88247-40-9, 88243-17-8, 88243-09-8, 121500-31-0, 67549-47-7, 67535-33-5, 114482-33-6, 99679-40-0, 93776-18-2, 94817-79-5, 94817-80-8, 121912-26-3, 100155-23-5, 100107-48-0, 2089109-26-0, 2089109-27-1, 145441-32-3, 171184-16-0, 171184-17-1, 171184-04-6, 2089109-30-6, 80234-03-3, 80244-66-2, 76830-13-2, 121913-10-8, 438237-73-1, 54950-06-0, 441765-12-4, 54207-62-4, 481050-04-8, 441765-14-6, 160819-47-6, 160819-50-1, 160819-49-8, 121912-28-5, 727351-53-3, 1513864-17-9, 71940-07-3, 71625-52-0, 1513863-91-6, 1513863-92-7, 704870-51-9, 1513864-01-1, 67333-62-4, 1513863-96-1, 1513863-97-2, 1383438-89-8, 1383438-90-1, 755698-73-8, 690947-60-5, 62880-96-0, 62880-98-2, 1513864-19-1, 1513864-12-4, 1513864-11-3, 80475-33-8, 34455-23-7, 34455-24-8, 34695-29-9, 34695-31-3, 441765-18-0, 98900-53-9, 934505-67-6, 138473-79-7, 89932-71-8, 178766-44-4, 376-23-8, 91707-61-8, 30295-53-5, 308-01-0, 331755-02-3, 103555-98-2, 57670-46-9, 98900-76-6, 98900-75-5, 98046-76-5, 154380-30-0 | Prohibited from intentional use. In case of unintentional use; Individually or in any combination Prohibited from use >1000ppb(0.0001wt%). Except the articles put on the market before July 4, 2020. | |
| 170 | PFCAs (C9-C14) and their salts | PFCAs(C9-C14)とその塩 | 15811-52-6, 16486-96-7, 18024-09-4, 2058-94-8, 21049-39-8, 307-55-1, 307-71-1, 3108-42-7, 335-76-2, 3658-63-7, 375-95-1, 376-06-7, 3793-74-6, 3830-45-3, 4149-60-4, 68015-87-2, 68025-62-7, 72629-94-8 | Individually or in any combination: Prohibited from use >25ppb (0.0000025wt%) | |
| 171 | PFCAs (C9-C14) related substances | PFCAs(C9-C14)関連物質 | 90622-71-2, 865-86-1, 2043-54-1, 307-60-8, 85631-54-5, 94159-79-2, 94200-50-7, 63295-28-3, 74256-14-7, 93776-17-1, 94200-43-8, 94200-51-8, 307-63-1, 677-93-0, 30046-31-2, 68412-69-1, 90622-99-4, 4980-53-4, 16083-87-7, 68333-92-6, 93776-00-2, 94158-70-0, 94200-47-2, 423-62-1, 558-97-4, 3248-63-3, 6014-75-1, 63295-27-2, 65510-55-6, 71356-38-2, 74256-15-8, 93776-15-9, 93776-16-0, 94159-82-7, 2144-54-9, 17741-60-5, 68188-12-5, 93776-12-6, 94159-83-8, 94200-42-7, 94200-48-3, 1765-48-6, 1895-26-7, 52956-82-8, 60699-51-6, 65510-56-7, 85681-64-7, 93062-53-4, 3248-61-1, 39239-77-5, 72968-38-8, 91032-01-8, 93776-13-7, 94159-76-9, 94159-80-5, 94200-46-1, 65104-45-2, 68155-54-4, 68390-33-0, 115592-83-1, 125328-29-2, 129783-45-5, 144031-01-6, NA, 307-50-6, 335-79-5, 376-04-5, 68412-68-0 (No CAS RN: C9-C14 PFCAs salts and precursors) | Individually or in any combination: Prohibited from use >25ppb (0.0000025wt%) | (EU) 2021/1297 |
| 172 | PFOS, Perfluorooctane sulfonates C8F17SO2X (X = OH, Metal salt, halide, amide, and other derivatives including polymers), all members | PFOS、パーフルオロオクタンスルホン酸塩C8F17SO2X (X = OH, 金属、ハロゲン、アミド、その他(ポリマーを含む)(全て)) | 1763-23-1, 45298-90-6, 307-35-7, 306975-62-2, 2991-51-7, 2795-39-3, 29081-56-9, 29457-72-5, 56773-42-3 | Prohibited from intentional use | REACH EU-R 1907/2006 Annex XVII (former 76/769/EEC), Turkish law Canadian law Japanese law (CSCL) |
| 174 | PFHxS and its salts | PFHxSとその塩 | 355-46-4, 68259-08-5, 3871-99-6 | Prohibited from use >25ppb (0.0000025wt%) | National law of Switzerland |
| 175 (1/2) | PFHxS related substances | PFHxS関連物質 | 111393-39-6, 1270179-82-2, 1270179-93-5, 127133-66-8, 129813-71-4, 141607-32-1, 1427176-17-7, 1427176-20-2, 147029-28-5, 148240-80-6, 148684-79-1, 149652-30-2, 160305-97-5, 160336-17-4, 160901-25-7, 160901-26-8, 161074-58-4, 1645842-67-6, 1645850-46-9, 1645852-09-0, 1645852-10-3, 1648534-82-0, 1648539-69-8, 1648540-20-8, 171561-95-8, 178094-71-8, 178535-22-3, 179005-06-2, 179005-07-3, 1893-52-3, 192662-29-6, 222716-67-8, 254889-10-6, 30295-56-8, 306973-47-7, 306974-19-6, 306974-28-7, 306974-45-8, 306974-63-0, 306975-62-2, 306975-84-8, 306975-85-9, 306976-25-0, 306976-55-6, 306977-10-6, 306977-58-2, 306978-04-1, 306978-65-4, 306979-40-8, 306980-27-8, 34455-03-3, 355-46-4, 3871-99-6, 38850-52-1, 38850-58-7, 38850-60-1, 41997-13-1, 423-50-7, 504396-13-8, 50598-28-2, 507225-08-3, 52166-82-2, 55120-77-9, 55591-23-6, 56372-23-7, 67584-48-9, 67584-53-6, 67584-57-0, 67584-61-6, 67906-70-1 | Prohibited from use >25ppb (0.0000025wt%) | National law of Switzerland |
| 175 (2/2) | PFHxS related substances | PFHxS関連物質 | 67906-71-2, 67939-61-1, 67939-92-8, 67969-65-7, 680187-85-3, 680187-86-4, 68081-83-4, 68227-87-2, 68227-94-1, 68227-96-3, 68227-98-5, 68228-00-2, 68239-74-7, 68259-08-5, 68259-15-4, 68259-38-1, 68298-09-9, 68298-74-8, 68298-78-2, 68299-21-8, 68299-39-8, 68329-56-6, 68391-09-3, 68555-70-4, 68555-75-9, 68555-90-8, 68555-91-9, 68555-92-0, 68568-77-4, 68586-13-0, 68586-14-1, 68608-13-9, 68608-14-0, 68649-26-3, 68797-76-2, 68815-72-5, 68867-60-7, 68867-62-9, 68877-32-7, 68891-98-5, 68909-15-9, 68957-32-4, 68957-53-9, 68957-58-4, 68957-61-9, 70225-16-0, 70248-52-1, 70776-36-2, 70900-36-6, 70900-40-2, 71487-20-2, 73772-32-4, 73772-33-5, 73772-34-6, 76848-59-4, 76848-68-5, 80621-17-6, 81190-38-7, 82382-12-5, 85665-64-1, 85665-66-3, 86525-30-6, 86525-43-1, 86525-48-6, 86525-51-1, 86525-52-2, 89863-48-9, 89863-49-0, 89863-50-3, 89863-55-8, 89863-56-9, 89863-63-8, 89863-64-9, 91081-99-1, 93416-31-0, 93572-72-6, 944578-05-6 | Individually or in any combination: Prohibited from use >100ppb (0.0001wt%) | National law of Switzerland |
| 180 | Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylethyl)-(UV320) | 2-(2H-ベンゾトリアゾール-2-イル)-4,6-ビス(1,1-ジメチルエチル)-フェノール(UV320) | 3846-71-7 | Prohibited from intentional use | Japanese law (CSCL) |

Table 3 Criteria for Packaging Substances

The target of this standard is packaging materials, etc. (packaging materials and protective materials)

Restricted substances contained in packaging materials, etc. shall satisfy the packaging material standards shown in the table below.

| GADSL No. | Substance (物質名) | 物質名(和名) | CAS-No. | Criteria for Packaging | Major Relevant Laws and Regulations(reference) |
|-----------|---|---|--|---|--|
| 192 | Phenol, 2,4,6-tris(1,1-dimethylethyl)- | 2,4,6-トリリス(1,1-ジメチルエチル)-フェノール | 732-26-3 | Prohibited from intentional use | Japanese law (CSCL) |
| 203 | Phthalates, selected | フタル酸類(指定物質) | 85-68-7, 117-81-7, 84-74-2, 84-69-5 | Prohibited from use \geq 0.1wt% | (EU)REACH Annex XVII, Annex XIV |
| 206 | Polybrominated biphenyls (PBB), all members | ポリ臭化ビフェニル (PBB) (全て) | 六臭化ビフェニル36355-01-8 PBB類 (ポリ臭素化ビフェニル) 73141-48-7, 77910-04-4, 88700-05-4, 81397-99-1, 97038-97-6, 66115-57-9, 59080-40-9, 67888-96-4, 59080-39-6, 80274-92-6, 60044-24-8, 97063-75-7, 97038-95-4, 59080-37-4, 60044-25-9, 59080-34-1, 97038-96-5, 13029-09-9, 96551-70-1, 74114-77-5, 84303-45-7, 38421-62-4, 59080-38-5, 59080-35-2, 49602-90-6, 40088-45-7, 64258-02-2, 59080-36-3, 59080-33-0, 64258-03-3, 49602-91-7, 53592-10-2, 57422-77-2, 59080-32-9, 77102-82-0, 97038-98-7, 16400-50-3, 16400-51-4, 59589-92-3, 57186-90-0, 60108-72-7, 92-86-4, 27479-65-8, 2052-07-5, 2113-57-7, 92-66-0, 13654-09-6, 59536-65-1, 67774-32-7, 35194-78-6, 27753-52-2, 27858-07-7, 56307-79-0, 61288-13-9 | Prohibited from use \geq 0wt% (including unintentional use) Prohibited from use $>$ 0.1wt% in case of unintentional use (Also prohibited from use $>$ 0.1wt% in case of unintentional use) | (EU)2019/1021 POP's convention Japanese law (CSCL) REACH EU-R 1907/2006 Annex XVII (former 76/769/EEC), Turkish law Canadian law (SOR/SOR/2005-41) |
| 207 | Polybrominated diphenyl ethers (PBDE), all members TetraBDE, PentaBDE, HexaBDE, HeptaBDE, DecaBDE | ポリ臭化ジフェニルエーテル (PBDE)(全て)テトラBDE, ヘキサBDE, ヘキサBDE, ヘプタBDE, デカBDE | 40088-47-9, 5436-43-1, 32534-81-9, 60348-60-9, 36483-60-0, 68631-49-2, 207122-15-4, 116995-33-6, 68928-80-3, 446255-22-7, 207122-16-5, 1163-19-5 | Prohibited from use (Also prohibited from use $>$ 0.05wt% in case of unintentional use:) (Individually or in combination of 5 substances) | REACH EU-R 1907/2006 Annex XVII (former 76/769/EEC), Turkish law Switzerland law US states law, POP's Japanese law (CSCL) US Federal law |
| 209 | Polychlorinated Biphenyls (PCB), all members | ポリ塩化ビフェニル (PCB) (全て) | 16606-02-3, 2437-79-8, 52663-72-6, 35065-27-1, 32598-13-3, 32774-16-6, 12674-11-2, 11104-28-2, 11141-16-5, 53469-21-9, 12672-29-6, 11097-69-1, 11096-82-5, 28655-71-2, 53742-07-7, 25429-29-2, 1336-36-3, 31472-83-0 | Prohibited from use $>$ 0wt% (Also prohibited from use in case of unintentional use) | POP's (Stockholm Convention) REACH EU-R 1907/2006 Annex XVII (former 76/769/EEC), Turkish law Japanese law (CSCL) |
| 210 | Polychlorinated Naphthalenes ; all members | ポリ塩化ナフタレン(全て) | 70776-03-3, 1321-65-9, 1321-64-8 | Prohibited from intentional use | Japanese law (CSCL) (EU)2019/1021 |
| 211 | Polychlorinated Terphenyls (PCT) | ポリ塩化ターフェニル(PCT) | 61788-33-8 | Prohibited from use $>$ 0.005wt% | REACH EU-R 1907/2006 Annex XVII (former 76/769/EEC), Turkish law ChemVerbotsV |
| 240 | Sulfur Hexafluoride | 六フッ化硫黄 | 2551-62-4 | Prohibited from intentional use | (EU)No 517/2014 Danish law |
| 247 | Tetrachlorobenzene, all members | テトラクロロベンゼン(全て) | 634-66-2, 634-90-2, 12408-10-5, 95-94-3 | Prohibited from intentional use | Canadian law (SOR/SOR/2005-41) |
| 248 | Tetrafluoro-methane | テトラフルオロメタン(フッ化炭素) | 75-73-0 | Prohibited from intentional use | (EU)No 517/2014 Danish law |
| 260 | Triorganotin compounds, all members | トリ有機すず化合物(全て) | 3644-37-9, 7094-94-2, 26239-64-5, 752-58-9, 4027-18-3, 25711-26-6, 56-35-9, 13356-08-6, 14275-57-1, 4782-29-0, 6454-35-9, 1066-44-0, 3644-32-4, 900-95-8, 2767-54-6, 379-52-2, 1983-10-4, 3090-36-6, 28801-69-6, 3090-35-5, 56573-85-4, 688-73-3, 73940-89-3, 73927-95-4, 5035-67-6, 56-36-0, 13331-52-7, 4342-36-3, 1461-23-0, 1461-22-9, 5847-52-9, 27147-18-8, 4027-17-2, 2179-92-2, 20369-63-5, 33550-22-0, 1067-97-6, 7342-47-4, 73927-91-0, 73927-97-6, 53404-82-3, 681-99-2, 24124-25-2, 2155-70-6, 13302-06-2, 1067-52-3, 53466-85-6, 36631-23-9, 85409-17-2, 4027-14-9, 73927-93-2, 73940-88-2, 6517-25-5, 69226-47-7, 41083-11-8, 1907-13-7, 994-31-0, 994-32-1, 2943-86-4, 1529-30-2, 1118-14-5, 1118-03-2, 1066-45-1, 56-24-6, 811-73-4, 63869-87-4, 4638-25-9, 4342-30-7, 47672-31-1, 639-58-7, 1803-12-9, 892-20-6, 76-87-9, 894-09-7, 3267-78-5, 2767-61-5, 2279-76-7, 7342-45-2, 73927-92-1, 57808-37-4, 4154-35-2 | Prohibited from intentional use | REACH EU-R 1907/2006 Annex XVII (former 76/769/EEC), Turkish law Japanese law (CSCL) |
| -302 | Benzenethiol, 2,3,4,5,6-pentachloro- (PCTP) | ペンタクロロチオフェノール | 133-49-3 | Prohibited from use $>$ 1wt% | US Federal law |
| - | Polyvinyl chloride (PVC) | ポリ塩化ビニル (PVC) | 9002-86-2, 25037-47-2, 26793-37-3 | Prohibited from intentional use | Korea; Evaluation and labeling of packaging materials |
| - | Polyvinylidene chloride (PVDC) | ポリ塩化ビニリデン (PVDC) | 9002-85-1 | Prohibited from intentional use | Korea; Evaluation and labeling of packaging materials |

Table 4 Information on Relevant Laws and Regulations

Legal matters requiring consideration of alternative technologies *Please report in IMDS or email separately if any of the relevant substances are contained.

| Country | Regulations | GADSL No. | Substance | CAS Registry Number™ | Legal contents | Legal deadline (Effective Date) |
|--------------------------|--|--------------------------------------|--|--|--|---------------------------------|
| UN Treaty | POPs | 91 | Dechlorane plus, all members | 13560-89-9 etc. | Prohibited from use>0wt% | Not fixed yet |
| | | 44 | 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328) | 25973-55-1 | Prohibited from use>0wt% | Not fixed yet |
| | | 57 | Chlorinated paraffins (with carbon chain lengths in the range C14-17 and chlorination levels at or exceeding 45 per cent chlorine by weight) | 85535-85-9 | Prohibited from use>0wt% | Not fixed yet |
| | | 170 | Long-chain perfluorocarboxylic acids (PFCA), their salts and related compounds | 15811-52-6 etc. | Prohibited from use>0wt% | Not fixed yet |
| Japan | Japanese law(CSCL) | 167 168 | PFOA-related substances(all members) | All PFOA-related substances | Specified as First Chemical Substance under CSCL. (Prohibited to manufacture, import or use) | Not fixed yet |
| US | US Federal law | 54 59 121 122 203 158 | Cadmium and its compounds, all members, Chromium(VI)-salts, all members, Lead and its compounds, all members, Mercury and its compounds, all members, Phthalates, Per- and polyfluoroalkyl substances (PFAS) | - | Contained in packaging materials or packaging parts. -Lead, Cadmium, Mercury, or Chromium(VI) : Prohibited from intentional use (Sum of the 5 substances: Prohibited from unintentional use >100ppm (0.01%)) -Phthalates: Prohibited from intentional use (Sum of phthalates: Prohibited from unintentional use >100ppm (0.01%)) -PFAS: Prohibited from intentional use (For unintentional use, it must be below detectable level.) | Not fixed yet |
| | State of Vermont, USA An act relating to prohibiting the sale of mercury-containing lamps | 122 | Mercury and its compounds, all members | 7439-97-6, etc. | Beginning on July 1st, 2023, a person shall not sell or offer for sale a mercury-containing lamp in the state. The prohibition shall not apply to ceramic metal halide lamps. | Not fixed yet |
| | State of California, USA Regulating PFAS contained in the products for children. | 158 | PFAS, Per and Poly- fluoroalkyl substances (PFAS) | PFAS group of substances all | The products, explained below, shall not be offered for sale, sold or distributed when total fluorine, either they are intentionally added or not intentionally added, are present greater than 1ppm.Child passenger restraints, rugs and carpets, or the others. | Not fixed yet |
| | Massachusetts State; Bill of PFAS regulation | | | | A juvenile product containing PFAS, explained below, shall not be sold nor distributed in commerce. -PFAS that a manufacturer has intentionally added to a product and that have a functional or technical effect in the product. -The presence of PFAS in a product or product component at or above 100 parts per million, as measured in total organic fluorine. | July, 1st, 2023 |
| | Colorado State; Law on PFAS regulation | | | | A person shall not sell, offer for sale, distribute for sale, or distribute for use any product in any of the following product categories if the product contains intentionally added PFAS chemicals.Carpets or rugs, juvenile product, or the others. | January 1st, 2024 |
| EU | REACH ANNEX XVII | 163 164 | undecafluorohexanoic acid (PFHxA), its salts and related substances | All substances group of PFHxA | -Sum of PFHxA and its salt: Prohibited from use >25ppb() -Sum of PFHxA related substances Prohibited from use >1000ppb Exempted: for 5 years after issued - Applications for hard chrome plating for 7 years after issued - Applications for photolithography or etching processes in semiconductor work, or printing inks for latex | Not fixed yet |
| | REACH Annex XIV | 100 | Ethylenediamine | 107-15-3 | In case of manufacturing or using the authorisation substances in EU, it is subjected of the application for authorisation. In case the application is not done, the manufacturing or using the substances shall be banned after the sunset date. If it is authorised 18 months before the sunset date, the substance can be used with due date. | Not fixed yet |
| | | - | 2-(4-tert-butylbenzyl) propionaldehyde and its individual stereoisomers | - | | |
| | | 121 | Lead | 7439-92-1 | | |
| | | 48 | Glutaral | 111-30-8 | | |
| | | 104 | 2-methyl-1-(4-methyl thiophenyl)-2-morpho linopropan-1-one | 71868-10-5 | | |
| | | 124 | 2-benzyl-2-dimethyl amino-4'-morpholino butyrophenone | 119313-12-1 | | |
| | 46 | Diisohexyl phthalate | 71850-09-4 | | | |
| - | Orthoboric acid, sodium salt | 13840-56-7 | | | | |
| (EU) 2019/1021 Amendment | 166 | PFOA and its salts | 335-67-1 etc. | Contained in PTFE Micro powder Prohibited from use >25ppb(0.0000025wt%) | Not fixed yet | |
| Singapore | Singapore, Environmental protection and management | - | Amitrole | 61-82-5 | The manufacturing, import, export, sale, or retention of hazardous substances is prohibited unless permitted by the authority. | March, 1st, 2023 |
| | | 91 | Dechlorane plus, all members | 13560-89-9, etc. | | |
| | | - | Iprodione | 36734-19-7 | | |
| | | 146 | Nonylphenol | 104-40-5 etc. 9016-45-9 etc. | | |
| | | 148 | nonylphenol ethoxylates | 25973-55-1 etc. | | |
| 44 | 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328) | 25973-55-1 etc. | | | | |

Table 4 Information on Relevant Laws and Regulations

Legal matters requiring consideration of alternative technologies *Please report in IMDS or email separately if any of the relevant substances are contained.

| Country | Regulations | GADSL No. | Substance | CAS Registry Number™ | Legal contents | Legal deadline (Effective Date) |
|---------|---|-----------|--|----------------------|--|---------------------------------|
| Canada | The prohibition of certain toxic substances regulations, 2022 | 91 | Dechlorane plus, all members | 13560-89-9 etc. | Prohibited to manufacture, sale and import of products containing these substances. Exempt when: -A permit is issued, (3 years maximum), -Manufacture, use, sale and import of EEE, vehicles and specific parts – 5 years following publication of final Regulations in the Canada Gazette, Part II, -Use, sale, and import of specific replacement parts to service EEE and vehicles – 20 years following publication of the final Regulations in the Canada Gazette, Part II, or -Use and sale of the products that were in use or in inventory at the time the Regulations come into force. | Not fixed yet |
| | | 94 | decabromodiphenyl ethane (DBDPE) | 84852-53-9 | | |
| | | 172 | PFOS, perfluorooctane sulfonate, its salts and its precursors | 1763-23-1 etc. | -Repeal the exemption allowing the manufacture, use, sale, offer for sale and import of a product containing PFOS, designed for use in photoresists or anti- reflective coatings for photolithography process or photographic films, papers, and printing plates, -Repeal the exemption allowing the use, sales, offer for sale and import of manufactured items containing PFOA and LC-PFCAs, but continue to exempt: | |
| | | 165 | PFOA, perfluorooctanoic acid, and its salts and its precursors | 335-67-1 etc. | -The use and sale of manufactured items containing PFOA and LC-PFCAs that were in use or in inventory at the time the Regulations come into force; and -For a specified period of time, the use, sale and import of certain semi- conductors, and the ongoing use and sale of manufactured items containing them | |
| | | 169 | LC-PFCAs, long chain perfluorocarboxylic acids, their salts and their precursors | 15811-52-6 etc. | -Repeal the exemption allowing the use, sale, and offer for sale of products (that are not manufactured items) containing PFOA and LC-PFCAs that were manufactured or imported before December 23, 2016. | |