SAFETY DATA SHEET

SIGMALINE 2000 HARDENER YELLOW



Date of issue 20 January 2023

Version 6

1. Product and company identification

| Product name | : SIGMALINE 2000 HARDENER YELLOW | | | |
|---|--|--|--|--|
| Product code | : 00250296 | | | |
| Product type | : Liquid. | | | |
| Relevant identified uses of the substance or mixture and uses advised against | | | | |
| Product use | : Professional applications, Used by spraying. | | | |
| Use of the substance/ mixture | : Coating. | | | |
| Uses advised against | : Not applicable. | | | |
| Supplier's details | : ₱PG PMC Japan Co., Ltd., 8F, Shintetsu Bldg., 1-1, Daikaidori 1-chome, Kobe 652-0803 Japan; Tel: +81-78-574-2777 | | | |
| Emergency telephone number | : 078 574 2777 | | | |

2. Hazards identification

| GHS Classification | AMMABLE LIQUIDS - Category 4 ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (dermal) - Category 3 ACUTE TOXICITY (inhalation) - Category 1 SKIN CORROSION - Category 1 SERIOUS EYE DAMAGE - Category 1 SKIN SENSITIZATION - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) - Category 1 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1 HAZARDOUS TO THE AQUATIC ENVIRONMENT - ACUTE HAZARD - Category 2 HAZARDOUS TO THE AQUATIC ENVIRONMENT - CHRONIC HAZARD - Category 2 Category 2 |
|--------------------|--|
| GHS label elements | |
| Hazard pictograms | |
| Signal word | : Danger |
| Hazard statements | Combustible liquid. Harmful if swallowed. Toxic in contact with skin. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Fatal if inhaled. |

Japan

2. Hazards identification

Causes damage to organs through prolonged or repeated exposure. (adrenal, blood system, central nervous system (CNS), heart, kidneys, liver, respiratory organs) Toxic to aquatic life with long lasting effects.

| Precautionary statements | | |
|---|---|---|
| Prevention | : | Wear protective gloves, protective clothing and eye or face protection. In case of inadequate ventilation wear respiratory protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Do not breathe vapor. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. |
| Response | : | Collect spillage. IF exposed or concerned: Call a POISON CENTER or doctor. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor. IF SWALLOWED: Immediately call a POISON CENTER or doctor. Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Immediately call a POISON CENTER or doctor. Wash contaminated clothing before reuse. IF ON SKIN: Call a POISON CENTER or doctor if you feel unwell. Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor. |
| Storage | : | Store locked up. |
| Disposal | : | Dispose of contents and container in accordance with all local, regional, national and international regulations. |
| Other hazards which do not result in classification | : | None known. |

3. Composition/information on ingredients

Substance/mixture : Mixture

CAS number/other identifiers

| CAS number | : Not applicable. |
|-------------|-------------------|
| CSCL number | : Not available. |

| Ingredient name | % | CAS number | CSCL |
|---|----------------------------------|------------------------------------|-----------------------------------|
| ✓,4'-methylenebis(2-methylcyclohexaneamine) benzyl alcohol N-(3-(trimethoxysilyl)propyl)ethylenediamine | 50 - 100 12.5 - <15 3 - <5 | 6864-37-5 100-51-6 1760-24-3 | 4-102 3-1011 2-2059: 2-2083 |
| | 0.0 | 1700 24-0 | 2 2000, 2-2000 |

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

SUB codes represent substances without registered CAS Numbers.

4. First aid measures

| Description of necess | ary first aid measures |
|-----------------------|--|
| Eye contact | Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention. |
| Inhalation | : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. |
| Skin contact | Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners. |
| Ingestion | If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do NOT induce vomiting. |

Most important symptoms/effects, acute and delayed

| Potential acute health effect | <u>s</u> | | |
|--|----------|---|--|
| Eye contact | : | Causes serious eye damage. | |
| Inhalation | : | Fatal if inhaled. | |
| Skin contact | : | Causes severe burns. Toxic in contact with skin. Causes damage to organs following a single exposure in contact with skin. May cause an allergic skin reaction. | |
| Ingestion | : | Harmful if swallowed. Causes damage to organs following a single exposure if swallowed. | |
| Over-exposure signs/sympto | on | <u>15</u> | |
| Eye contact | : | Adverse symptoms may include the following: pain watering redness | |
| Inhalation | 1 | No specific data. | |
| Skin contact | : | Adverse symptoms may include the following: pain or irritation redness blistering may occur | |
| Ingestion | : | Adverse symptoms may include the following: stomach pains | |
| Indication of immediate medical attention and special treatment needed, if necessary | | | |
| Notes to physician | : | In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. | |
| Specific treatments | : | No specific treatment. | |
| Protection of first-aiders | : | No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. | |

See toxicological information (Section 11)

5. Fire-fighting measures

| Extinguishing media | |
|--|---|
| Suitable extinguishing media | : 🗾 Se dry chemical, CO ₂ , water spray (fog) or foam. |
| Unsuitable extinguishing media | : Ø o not use water jet. |
| Specific hazards arising from the chemical | : Combustible liquid. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain. |
| Hazardous thermal decomposition products | : Decomposition products may include the following materials: carbon oxides nitrogen oxides metal oxide/oxides Formaldehyde. |
| Special protective actions for fire-fighters | : Fromptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. |
| Special protective equipment for fire-fighters | : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

| For non-emergency personnel | : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. | |
|---|--|--|
| For emergency responders | : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". | |
| · | : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage. | |
| Methods and materials for containment and cleaning up | | |

Small spill: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and
explosion-proof equipment. Dilute with water and mop up if water-soluble.
Alternatively, or if water-insoluble, absorb with an inert dry material and place in an
appropriate waste disposal container. Dispose of via a licensed waste disposal
contractor.

6. Accidental release measures

Large spill : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with noncombustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

7. Handling and storage

Precautions for safe : Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which handling this product is used. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Empty containers retain product residue and can be hazardous. Do not reuse container.

Conditions for safe storage : Store between the following temperatures: 0 to 35°C (32 to 95°F). Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

| Ingredient name | | Exposure limits |
|-----------------------------------|---|---|
| penzyl alcohol | | Japan Society for Occupational Health (Japan, 9/2021). Skin sensitizer. OEL-C: 25 mg/m ³ |
| Recommended monitoring procedures | : Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required. | |
| Appropriate engineering controls | or other engineering controls to keep below any recommended or statutory | se process enclosures, local exhaust ventilati worker exposure to airborne contaminants limits. The engineering controls also need to as below any lower explosive limits. Use |
| Environmental exposure controls | they comply with the requirements of e | ocess equipment should be checked to ensur- environmental protection legislation. In some neering modifications to the process equipme s to acceptable levels. |
| | | Japan Page: |

Page: 5/13 Japan

8. Exposure controls/personal protection

Individual protection measures

| Hygiene measures | : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location. |
|------------------------|---|
| Eye protection | : Chemical splash goggles and face shield. |
| Skin protection | |
| Hand protection | : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. |
| Gloves | : nitrile neoprene |
| Body protection | Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. |
| Other skin protection | : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. |
| Respiratory protection | : Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. |

9. Physical and chemical properties

| <u>Appearance</u> | | | |
|-------------------------------------|--|-------------|--|
| Physical state | : Liquid. | | |
| Color | : Various | | |
| Odor | : 🗛 romatic. [Strong] | | |
| Boiling point | : >37.78°C (>100°F) | | |
| Flash point | : <mark>Ø</mark> losed cup: 65°C (149°F) | | |
| Relative density | : 0.97 | | |
| Solubility(ies) | Media | Result | |
| Solubility(les) | • cold water | Not soluble | |
| Auto-ignition temperature Viscosity | L : 275°C (527°F) : 60 - 100 s (ISO 6mm) | | |
| the county | | | |

10. Stability and reactivity

| Reactivity | : No specific test data related to reactivity available for this product or its ingredients. |
|------------------------------------|---|
| Chemical stability | : The product is stable. |
| Possibility of hazardous reactions | : Under normal conditions of storage and use, hazardous reactions will not occur. |
| Conditions to avoid | : When exposed to high temperatures may produce hazardous decomposition products. |
| Incompatible materials | : Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkalis, strong acids. |
| Hazardous decomposition products | : Depending on conditions, decomposition products may include the following materials: carbon oxides nitrogen oxides Formaldehyde. metal oxide/oxides |

11. Toxicological information

Information on toxicological effects

Acute toxicity

| Product/ingredient name | Result | Species | Dose | Exposure |
|--|---|----------------------|--|-------------------|
| 4,4'-methylenebis (2-methylcyclohexaneamine) | LC50 Inhalation Dusts and mists | Rat | 420 mg/m ³ | 4 hours |
| | LD50 Dermal LD50 Oral | Rabbit Rat | >0.2 g/kg >0.32 g/kg | - |
| benzyl alcohol | LC50 Inhalation Dusts and mists LD50 Dermal LD50 Oral | Rat Rabbit Rat | >4178 mg/m ³ 2000 mg/kg 1.23 g/kg | 4 hours - - |
| N-(3-(trimethoxysilyl)propyl) ethylenediamine | LD50 Oral | Rat | 2413 mg/kg | - |

Irritation/Corrosion

Not available.

Sensitization

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Product name SIGMALINE 2000 HARDENER YELLOW

11. Toxicological information

| Name | Category | Route of exposure | Target organs |
|---|--------------------------|-------------------|---|
| ♣,4'-methylenebis(2-methylcyclohexaneamine) benzyl alcohol | Category 2 Category 1 | - | heart, kidneys, nervous system, respiratory organs central nervous |
| | Category 3 | | system (CNS), kidneys Narcotic effects |

Specific target organ toxicity (repeated exposure)

| Name | Category | Route of exposure | Target organs |
|---|--------------------------|-------------------|---|
| ₩,4'-methylenebis(2-methylcyclohexaneamine) | Category 1 Category 2 | - | kidneys adrenal, blood system, heart, liver, |
| benzyl alcohol | Category 1 | - | respiratory organs central nervous system (CNS) |

Aspiration hazard

Not available.

| Information on the likely | : Not available. |
|---------------------------|------------------|
| routes of exposure | |

| Potential acute health | effects | |
|------------------------|--|----|
| Eye contact | : Causes serious eye damage. | |
| Inhalation | : Fatal if inhaled. | |
| Skin contact | : Causes severe burns. Toxic in contact with skin. Causes damage to organs following a single exposure in contact with skin. May cause an allergic skin reaction | ۱. |
| Ingestion | Harmful if swallowed. Causes damage to organs following a single exposure if swallowed. | |

| Eye contact | : Adverse symptoms may include the following: pain watering redness |
|----------------------|--|
| Inhalation | : No specific data. |
| Skin contact | : Adverse symptoms may include the following: pain or irritation redness blistering may occur |
| Ingestion | : Adverse symptoms may include the following: stomach pains |
| Delayed and immediat | e effects and also chronic effects from short and long term exposure |

| <u>Short term exposure</u> | | |
|-----------------------------|------------------|--|
| Potential immediate effects | : Not available. | |
| Potential delayed effects | : Not available. | |
| <u>Long term exposure</u> | | |

Product name SIGMALINE 2000 HARDENER YELLOW

| 11. Toxicological information | | | | |
|--------------------------------|-----|---|--|--|
| Potential immediate effects | : | Not available. | | |
| Potential delayed effects | : | Not available. | | |
| Potential chronic health eff | ect | <u>s</u> | | |
| General | : | Causes damage to organs through prolonged or repeated exposure. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels. | | |
| Carcinogenicity | : | No known significant effects or critical hazards. | | |
| | | | | |

Mutagenicity : No known significant effects or critical hazards.

| Reproductive toxicity | : No known significant effects or critical hazards. |
|-----------------------|---|
|-----------------------|---|

Numerical measures of toxicity

Acute toxicity estimates

| Product/ingredient name | Oral (mg/ kg) | Dermal (mg/kg) | Inhalation (gases) (ppm) | Inhalation (vapors) (mg/l) | Inhalation (dusts and mists) (mg/l) |
|--|------------------|-------------------|--------------------------------|----------------------------------|--|
| GMALINE 2000 HARDENER YELLOW | 579.7 | 366.5 | N/A | 0.063 | 0.52 |
| 4,4'-methylenebis(2-methylcyclohexaneamine) | 500 | 300 | N/A | 0.05 | 0.42 |
| benzyl alcohol | 1230 | 2000 | N/A | N/A | N/A |
| N-(3-(trimethoxysilyl)propyl)ethylenediamine | 2413 | N/A | N/A | 11 | 1.5 |

Other information

Sanding and grinding dusts may be harmful if inhaled. Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage. Inhalation of vapor/aerosol concentrations above the recommended exposure limits causes headaches, drowsiness and nausea and may lead to unconsciousness or death. Trimethoxysilanes are capable of forming methanol if hydrolyzed or ingested. If swallowed, methanol may be harmful or fatal or cause blindness. Contains a substance that may emit formaldehyde if stored beyond its shelf life and/or during cure at curing temperatures greater than 60C (140F).

12. Ecological information

Toxicity

Not available.

Persistence/degradability

| Product/ingredient name | Aquatic half-life | Photolysis | Biodegradability |
|-------------------------|-------------------|------------|------------------|
| benzyl alcohol | - | - | Readily |

Bioaccumulative potential

| Product/ingredient name | LogPow | BCF | Potential |
|--|--------|-----|-----------|
| √,4'-methylenebis (2-methylcyclohexaneamine) | 1.8 | - | low |
| benzyl alcohol | 0.87 | - | low |

Mobility in soil

| Soil/water partition coefficient (Koc) | : Not available. |
|---|------------------|
| Mobility | : Not available. |

12. Ecological information

Other adverse effects

: No known significant effects or critical hazards.

13. Disposal considerations

: The generation of waste should be avoided or minimized wherever possible. **Disposal methods** Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

14. Transport information

| | UN | IMDG | ΙΑΤΑ |
|--------------------------------|--|---|---|
| UN number | UN2922 | UN2922 | UN2922 |
| UN proper shipping name | CORROSIVE LIQUID, TOXIC, N.O.S. | CORROSIVE LIQUID, TOXIC, N.O.S. | CORROSIVE LIQUID, TOXIC, N.O.S. |
| | (2,2'-dimethyl-4,4'- methylenebis (cyclohexylamine)) | (2,2'-dimethyl-4,4'- methylenebis (cyclohexylamine)) | (2,2'-dimethyl-4,4'- methylenebis (cyclohexylamine)) |
| Transport hazard class(es) | 8 (6.1) | 8 (6.1) | 8 (6.1) |
| Packing group | II | II | II |
| Environmental hazards | Yes. The environmentally hazardous substance mark is not required. | Yes. | Yes. The environmentally hazardous substance mark is not required. |
| Marine pollutant substances | Not applicable. | (2,2'-dimethyl-4,4'- methylenebis (cyclohexylamine)) | Not applicable. |

Additional information

| UN | : None identified. |
|------|--|
| IMDG | : The marine pollutant mark is not required when transported in sizes of \leq 5 L or \leq 5 kg. |
| ΙΑΤΑ | : The environmentally hazardous substance mark may appear if required by other transportation regulations. |

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14. Transport information

Transport in bulk according : Not applicable. to IMO instruments

15. Regulatory information

Fire Service Law

| Category | Substance name/Type | Danger category | Signal word | Designated quantity |
|-------------|---------------------|--------------------|----------------------------|---------------------|
| Category IV | Class II petroleums | III | Flammable - Keep Fire Away | 1000 L |

Pollutant Release and Transfer Registers (PRTR)

| Ingredient name | % | | Reference number |
|---|-----------|---------|---------------------|
| 4,4'-Methylenebis(2-methylcyclohexaneamine) | ≥70 - ≤80 | Class 2 | 559 |

Industrial Safety and Health Act

Ordinance on the Prevention of the Hazard due to Specified Chemical Substances

None of the components are listed.

Substance(s) requiring labelling

| Ingredient name | % | | Reference number |
|-----------------|-----------|--------|---------------------|
| Benzyl alcohol | ≥10 - ≤20 | Listed | 530-2 |

Chemicals requiring notification

| Ingredient name | % | | Reference number |
|-----------------|-----------|--------|---------------------|
| Benzyl alcohol | ≥10 - ≤20 | Listed | 530-2 |

Carcinogen

None of the components are listed.

Mutagen

None of the components are listed.

| Corrosive liquid | : Not listed |
|---|---------------|
| Occupational Safety and Health Law | : Combustible |
| Regulations on the Prevention of Tetraalkyl Lead Poisoning | : Not listed |
| Harmful Substances Subject to Obtaining Permission for Manufacturing | : Not listed |
| Harmful Substances, Prohibited for Manufacturing | : Not listed |
| ISHL Enforcement Order Appendix 1 - Dangerous Substances | : Combustible |

Product name SIGMALINE 2000 HARDENER YELLOW

15. Regulatory information

Lead regulation

- : Not listed
- Organic solvents poisoning prevention
- : Not applicable.

Poisonous and Deleterious Substances

None of the components are listed.

Chemical Substances Control Law (CSCL)

| Ingredient name | % | | Reference number |
|----------------------------------|-----------|---------------------|---------------------|
| ✓-Butanol | 0.0000168 | Priority assessment | 124 |
| 2,6-Di-tert-butyl-4-methylphenol | 0.000012 | Priority assessment | 64 |

High Pressure Gas Control : Not available. Law

Explosives Control Law

None of the components are listed.

Law concerning prevention : Marine pollutant: P of pollution of the ocean

Maritime Safety Law

Notification Regulating Transportation of Dangerous Materials by Sea

None of the components are listed.

Container class

None of the components are listed.

| JSOH Carcinogen | : Not listed |
|--|--|
| List of Specially Controlled Industrial Waste | : Not listed |
| Japan inventory | : All components are listed or exempted. |
| Road law | : Not available. |

16. Other information

| <u>History</u> | |
|--------------------------------|---|
| Date of issue/Date of revision | : 20 January 2023 |
| Date of previous issue | : 11/7/2021 |
| Version | : 6 |
| Prepared by | : EHS |
| Key to abbreviations | : ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient |

16. Other information

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail UN = United Nations

V Indicates information that has changed from previously issued version.

Notice to reader

The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by PPG, and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.