SAFETY DATA SHEET

SIGMADUR 1800 HARDENER



Date of issue 6 September 2024

Version 8.03

| 1. Product and company identification | | | |
|---|--|--|--|
| Product name | : SIGMADUR 1800 HARDENER | | |
| Product code | : 000001099992 | | |
| Other means of identification | : 00236075; 00236078 | | |
| 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 | : Hardener. | | |
| Uses advised against | : Not applicable. | | |
| Supplier's details | : PPG 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 | FLAMMABLE LIQUIDS - Category 3 ACUTE TOXICITY (inhalation) - Category 4 SKIN SENSITIZATION - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory t irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Categor HAZARDOUS TO THE AQUATIC ENVIRONMENT - ACUTE HAZARD - Cate HAZARDOUS TO THE AQUATIC ENVIRONMENT - CHRONIC HAZARD - Category 3 | /2 |
|---|---|----|
| GHS label elements Hazard pictograms | | |
| Signal word | Warning | |
| Hazard statements | Flammable liquid and vapor. | |
| | May cause an allergic skin reaction. | |
| | Harmful if inhaled. May cause respiratory irritation. | |
| | May cause respiratory initiation. May cause damage to organs through prolonged or repeated exposure. (centra nervous system (CNS), respiratory organs) Harmful to aquatic life with long lasting effects. | al |
| Precautionary statements | | |

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| Product code 000001099992Date of issue 6 September 2024 VersiProduct name SIGMADUR 1800 HARDENER | |
|--|--|
| 2. Hazards ide | ntification |
| Prevention | : Wear protective gloves, protective clothing and eye or face 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. Contaminated work clothing should not be allowed out of the workplace. |
| Response | : Get medical advice or attention if you feel unwell. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor i you feel unwell. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or attention. |
| Storage | : Store locked up. Store in a well-ventilated place. Keep container tightly closed. |
| Disposal | : Dispose of contents and container in accordance with all local, regional, national and international regulations. |

Other hazards which do not : Prolonged or repeated contact may dry skin and cause irritation.

result in classification

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 |
|--|--------------------------------------|---|--|
| Hexamethylene diisocyanate, oligomers (isocyanurate type) | 50 - 100 | 28182-81-2 | 7-873 |
| Butyl acetate Solvent naphtha (petroleum), light aromatic 1,2,4-Trimethylbenzene 3-ethyltoluene | 3 - <5 2 - <3 1 - <2 1 - <2 | 123-86-4 64742-95-6 95-63-6 620-14-4 | 2-731 Not available. 3-3427; 3-7 3-15 |

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 necessary first aid measures | | |
|---|--|--|
| Eye contact | Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice. | |
| 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 effects

| Product code 000001099992 | Date of issue 6 September 2024 Version 8.03 | | | |
|--|---|--|--|--|
| Product name SIGMADUR 1 | 300 HARDENER | | | |
| 4. First aid measu | res | | | |
| Eye contact | : No known significant effects or critical hazards. | | | |
| Inhalation | : Harmful if inhaled. May cause respiratory irritation. | | | |
| Skin contact | : Defatting to the skin. May cause skin dryness and irritation. May cause an allergic skin reaction. | | | |
| Ingestion | : No known significant effects or critical hazards. | | | |
| Over-exposure signs/symp | Over-exposure signs/symptoms | | | |
| Eye contact | : No specific data. | | | |
| Inhalation | : Adverse symptoms may include the following: respiratory tract irritation coughing | | | |
| Skin contact | : Adverse symptoms may include the following: irritation redness dryness cracking | | | |
| Ingestion | : No specific data. | | | |
| 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)

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| 5. Fire-fighting measures | | |
|--|---|--|
| Extinguishing media | | |
| Suitable extinguishing media | : Use dry chemical, CO ₂ , water spray (fog) or foam. | |
| Unsuitable extinguishing media | : Do not use water jet. | |
| Specific hazards arising from the chemical | : Flammable liquid and vapor. 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 harmful 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 Cyanate and isocyanate. hydrogen cyanide | |
| Special protective actions for fire-fighters | : Promptly 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. | |

5. Fire-fighting measures

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. Avoid breathing 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". |
| Environmental precautions | 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. |

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. |
|--------------------|---|
| 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 non-combustible, 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. |
| Special provisions | : Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Place in a suitable container. The contaminated area should be cleaned immediately with a suitable decontaminant. One possible (flammable) decontaminant comprises (by volume): water (45 parts), ethanol or isopropyl alcohol (50 parts) and concentrated (d: 0,880) ammonia solution (5 parts). A non-flammable alternative is sodium carbonate (5 parts) and water (95 parts). Add the same decontaminant to the remnants and let stand for several days until no further reaction in an unsealed container. Once this stage is reached, close container and dispose of according to local regulations (see section 13). Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations. |

7. Handling and storage

| Precautions for safe handling | 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 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. Take precautionary measures against electrostatic discharges. 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. |

Precautions should be taken to minimize exposure to atmospheric humidity or water. CO_2 will be formed, which, in closed containers, could result in pressurization.

8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

| Ingredient name | | Exposure limits |
|-----------------------------------|---|--|
| Butyl acetate | | Japan Society for Occupational Health (Japan, 5/2023). OEL-M: 475 mg/m ³ 8 hours. OEL-M: 100 ppm 8 hours. Industrial Safety and Health Act (Japan, 6/2020). TWA: 150 ppm 8 hours. |
| 1,2,4-Trimethylbenzene | | Japan Society for Occupational Health (Japan, 5/2023). OEL-M: 120 mg/m ³ 8 hours. OEL-M: 25 ppm 8 hours. |
| 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 | : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment. | |
| Environmental exposure controls | : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels. | |

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 | : Safety glasses with side shields. |
| 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 | : butyl rubber |
| 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. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves. |
| 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 | : Use an air-fed respirator unless a site-specific assessment determines that an air- fed respirator is not necessary, in which case the results of the risk assessment should be utilized to determine whether respiratory protection is necessary and what type of protection is appropriate. 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. |

9. Physical and chemical properties

| Appearance | | |
|------------------|-----------------------|-------------|
| Physical state | : Liquid. | |
| Color | : Colorless. | |
| Boiling point | : >37.78°C (>100°F) | |
| Flash point | : Closed cup: 56°C (1 | 32.8°F) |
| Relative density | : 1.13 | |
| Solubility/icc) | Media | Result |
| Solubility(ies) | cold water | Not soluble |

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 | : In a fire, hazardous decomposition products may be produced. |
| Incompatible materials | : Keep away from: oxidizing agents, strong alkalis, strong acids, amines, alcohols, water. Uncontrolled exothermic reactions occur with amines and alcohols. |
| Hazardous decomposition products | : Depending on conditions, decomposition products may include the following materials: Cyanate and isocyanate. carbon oxides nitrogen oxides hydrogen cyanide |

11. Toxicological information

Information on toxicological effects

| · · | | |
|-------|-----|-------|
| Acute | tox | ICITV |
| | | |

| Product/ingredient name | Result | Species | Dose | Exposure |
|---|------------------------------------|--------------|-----------------------|--------------|
| Hexamethylene diisocyanate, oligomers (isocyanurate type) | LD50 Dermal | Rabbit | >2000 mg/kg | - |
| | LD50 Oral | Rat - Female | >2500 mg/kg | - |
| Butyl acetate | LC50 Inhalation Vapor | Rat | >21.1 mg/l | 4 hours |
| | LC50 Inhalation Vapor | Rat | 2000 ppm | 4 hours |
| | LD50 Dermal | Rabbit | >17600 mg/kg | - |
| | LD50 Oral | Rat | 10.768 g/kg | - |
| Solvent naphtha (petroleum), light aromatic | LD50 Dermal | Rabbit | 3.48 g/kg | - |
| C C | LD50 Oral | Rat | 8400 mg/kg | - |
| 1,2,4-Trimethylbenzene | LC50 Inhalation Vapor LD50 Oral | Rat Rat | 18000 mg/m³ 5 g/kg | 4 hours - |

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)

11. Toxicological information

| Name | Category | Route of exposure | Target organs |
|---|------------|-------------------|---------------------------------|
| Hexamethylene diisocyanate, oligomers (isocyanurate type) | Category 3 | - | Respiratory tract irritation |
| Butyl acetate | Category 3 | - | Respiratory tract irritation |
| | Category 3 | | Narcotic effects |
| Solvent naphtha (petroleum), light aromatic | Category 3 | - | Narcotic effects |
| 1,2,4-Trimethylbenzene | Category 3 | - | Respiratory tract irritation |
| | Category 3 | | Narcotic effects |

Specific target organ toxicity (repeated exposure)

| Name | Category | Route of exposure | Target organs |
|------------------------|------------|-------------------|--|
| 1,2,4-Trimethylbenzene | Category 1 | | central nervous system (CNS), respiratory organs |

Aspiration hazard

| Name | Result |
|------------------------|--|
| 1,2,4-Trimethylbenzene | ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1 |

Information on the likely : Not available. routes of exposure

| Potential acute health effect | | |
|-------------------------------|--|----|
| Eye contact | : No known significant effects or critical hazards. | |
| Inhalation | : Harmful if inhaled. May cause respiratory irritation. | |
| Skin contact | : Defatting to the skin. May cause skin dryness and irritation. May cause an allerg skin reaction. | ic |
| Ingestion | No known significant effects or critical hazards. | |
| Symptoms related to the pl | sical, chemical and toxicological characteristics | |
| Eye contact | : No specific data. | |
| Inhalation | : Adverse symptoms may include the following: respiratory tract irritation coughing | |
| Skin contact | Adverse symptoms may include the following: irritation redness dryness cracking | |
| Ingestion | No specific data. | |
| Delayed and immediate effect | 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. | |
| Long term exposure | | |

11. Toxicological information

| Potential immediate effects | : Not available. | |
|-----------------------------|---|---|
| Potential delayed effects | : Not available. | |
| Potential chronic health ef | <u>ects</u> | |
| General | : May cause damage to organs through prolonged or repeated exposure. Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels. | I |
| 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) |
|--|------------------|-------------------|--------------------------------|----------------------------------|--|
| SIGMADUR 1800 HARDENER | 2780.8 | 2734.6 | N/A | 1200.0 | 1.7 |
| Hexamethylene diisocyanate, oligomers (isocyanurate type) | 2500 | 2500 | N/A | N/A | 1.5 |
| Butyl acetate | 10768 | N/A | N/A | N/A | N/A |
| Solvent naphtha (petroleum), light aromatic | 8400 | 3480 | N/A | N/A | N/A |
| 1,2,4-Trimethylbenzene | 5000 | N/A | N/A | 18 | N/A |

Other information

Prolonged or repeated contact may dry skin and cause irritation. 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. Based on the properties of the isocyanate components and considering toxicological data on similar mixtures, this mixture may cause acute irritation and/or sensitization of the respiratory system, leading to an asthmatic condition, wheezing and tightness of the chest. Sensitized persons may subsequently show asthmatic symptoms when exposed to atmospheric concentrations well below the OEL. Persons with a history of skin sensitization problems or asthma, allergies or chronic or recurrent respiratory disease should not be employed in any process in which this product is used. Repeated exposure may lead to permanent respiratory disability. Moisture-sensitive material. Avoid contact with skin and clothing.

12. Ecological information

Toxicity

| Product/ingredient name | Result | Species | Exposure |
|---|--|--|----------------------|
| Hexamethylene diisocyanate, oligomers (isocyanurate type) | 0 | Algae - scenedesmus subspicatus | 72 hours |
| | Acute EC50 >100 mg/l Acute LC50 >100 mg/l | Daphnia - <i>daphnia magna</i> Fish - <i>Danio rerio (zebra fish)</i> | 48 hours 96 hours |
| Butyl acetate Solvent naphtha (petroleum), light aromatic | Acute LC50 18 mg/l Acute LC50 8.2 mg/l | Fish Fish | 96 hours 96 hours |

Persistence/degradability

12. Ecological information

| Product/ingredient name | Test | Result | | Dose | | Inoculum |
|---|-----------------------|------------|----------------|------|--------------------|------------|
| Butyl acetate | TEPA and OECD 301D | 83 % - Rea | dily - 28 days | - | | - |
| Product/ingredient name | Aquatic half-life | | Photolysis | | Biodeg | radability |
| Hexamethylene diisocyanate, oligomers (isocyanurate type) Butyl acetate | | | - | | Not rea Readily | 2 |

Bioaccumulative potential

| Product/ingredient name | LogPow | BCF | Potential |
|--|--------|--------|-----------|
| Hexamethylene diisocyanate, oligomers (isocyanurate type) | | 3.2 | Low |
| Butyl acetate | 2.3 | - | Low |
| 1,2,4-Trimethylbenzene | 3.63 | 120.23 | Low |
| 3-ethyltoluene | 3.98 | - | Low |

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

Other adverse effects

: No known significant effects or critical hazards.

13. Disposal considerations

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Disposal methods
                                : The generation of waste should be avoided or minimized wherever possible.
                                  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.
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14. Transport information

14. Transport information

| | UN | IMDG | ΙΑΤΑ |
|-------------------------------|-----------------|-----------------|-----------------|
| UN number | UN1263 | UN1263 | UN1263 |
| UN proper shipping name | PAINT | PAINT | PAINT |
| Transport hazard class(es) | 3 | 3 | 3 |
| Packing group | III | III | II |
| Environmental hazards | No. | No. | No. |
| Marine pollutant substances | Not applicable. | Not applicable. | Not applicable. |

Additional information

: This class 3 viscous liquid is not subject to regulation in packagings up to 450 L according to UN 2.3.2.5.1. IMDG : This class 3 viscous liquid is not subject to regulation in packagings up to 450 L according to 2.3.2.5. ΙΑΤΑ : None identified.

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.

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 | % | Status | Reference number |
|------------------|-----|---------|---------------------|
| Trimethylbenzene | 1.8 | Class 1 | 691 |

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 |
|-------------------|-----|--------|---------------------|
| Butyl acetate | ≤10 | Listed | 181 |
| Petroleum naphtha | ≤10 | Listed | 330 |
| Trimethylbenzene | ≤10 | Listed | 404 |

Page: 11/13 Japan

15. Regulatory information

Chemicals requiring notification

| Ingredient name | % | | Reference number |
|-------------------|-----|--------|---------------------|
| Butyl acetate | ≤10 | Listed | 181 |
| Petroleum naphtha | ≤10 | Listed | 330 |
| Trimethylbenzene | ≤10 | Listed | 404 |

Carcinogens based on Article 577-2 of the Ordinance on ISH

None of the components are listed.

<u>Mutagen</u>

None of the components are listed.

| Corrosive liquid | : | Not listed |
|---|---|-----------------|
| Occupational Safety and Health Law | : | Inflammable |
| 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 | : | Inflammable |
| 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 | % | Status | Reference number |
|------------------------|-----|---------------------|---------------------|
| 1,2,4-Trimethylbenzene | ≤10 | Priority assessment | 49 |
| 1,3,5-Trimethylbenzene | ≤10 | Priority assessment | 201 |
| Cumene | ≤10 | Priority assessment | 126 |
| Benzene | ≤10 | Priority assessment | 45 |

High Pressure Gas Control : Not available. Law

Explosives Control Law

None of the components are listed.

Law concerning prevention : Not available. of pollution of the ocean

15. Regulatory information

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 | : 6 September 2024 |
| Date of previous issue | : 8/2/2024 |
| Version | : 8.03 |
| 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 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 |

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.