# SAFETY DATA SHEET

#### **PSX 700 BASE RAL 1023**



Date of issue 30 April 2024

Version 6.01

# 1. Product and company identification

Product name : PSX 700 BASE RAL 1023

Product code : 00393285 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 : 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 : SKIN SENSITIZATION - Category 1

CARCINOGENICITY - Category 2

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 HAZARDOUS TO THE AQUATIC ENVIRONMENT - ACUTE HAZARD - Category 3

HAZARDOUS TO THE AQUATIC ENVIRONMENT - CHRONIC HAZARD -

Category 3

**GHS label elements** 

Hazard pictograms





Signal word : Warning

**Hazard statements** : May cause an allergic skin reaction.

Suspected of causing cancer.

May cause damage to organs through prolonged or repeated exposure. (respiratory

organs)

Harmful to aquatic life with long lasting effects.

**Precautionary statements** 

**Prevention**: Obtain special instructions before use. Do not handle until all safety precautions

have been read and understood. Wear protective gloves, protective clothing and eye or face protection. Avoid release to the environment. Do not breathe vapor.

Contaminated work clothing should not be allowed out of the workplace.

Response : IF exposed or concerned: Get medical advice or attention. Take off contaminated

clothing and wash it before reuse. IF ON SKIN: Wash with plenty of water. If skin

irritation or rash occurs: Get medical advice or attention.

Japan Page: 1/12

Version 6.01 Product code 00393285 Date of issue 30 April 2024

Product name PSX 700 BASE RAL 1023

### 2. Hazards identification

: Store locked up. **Storage** 

**Disposal** : Dispose of contents and container in accordance with all local, regional, national

and international regulations.

Other hazards which do not : None known.

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          |
|--|-------------|------------|---------------|
| 4,4'-Isopropylidenedicyclohexanol, oligomeric reaction products with 1-chloro-2,3-epoxypropane | 25 - <50    | 30583-72-3 | 7-1282        |
| bismuth vanadium tetraoxide ( > 10 microns)  | 3 - <5      | 14059-33-7 | 1-1228        |
| titanium dioxide (excluding nanoparticle)  | 3 - <5      | 13463-67-7 | 1-558; 5-5225 |
| bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate  | 1 - <2      | 41556-26-7 | 5-5501        |
| methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate  | 0.2 - < 0.5 | 82919-37-7 | 5-5593        |
| zinc phosphate   | 0.1 - < 0.2 | 7779-90-0  | 1-1181; 1-526 |
| Methanol   | 0.1 - < 0.2 | 67-56-1    | 2-201         |

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**

: Remove contact lenses, irrigate copiously with clean, fresh water, holding the **Eye contact** 

eyelids apart for at least 10 minutes and seek immediate medical advice.

: Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is Inhalation

irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by

trained personnel.

Remove contaminated clothing and shoes. Wash skin thoroughly with soap and Skin contact

water or use recognized skin cleanser. Do NOT use solvents or thinners.

If swallowed, seek medical advice immediately and show this container or label. Ingestion

Keep person warm and at rest. Do NOT induce vomiting.

#### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

**Eye contact** : No known significant effects or critical hazards. Inhalation : No known significant effects or critical hazards.

**Skin contact** : May cause an allergic skin reaction.

Ingestion : No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

**Eye contact** : No specific data. Inhalation : No specific data.

Japan Page: 2/12

Product name PSX 700 BASE RAL 1023

### 4. First aid measures

**Skin contact**: Adverse symptoms may include the following:

irritation redness

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. 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

Unsuitable extinguishing

media

: Use an extinguishing agent suitable for the surrounding fire.

: None known.

Specific hazards arising from the chemical

: In a fire or if heated, a pressure increase will occur and the container may burst. 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 sulfur oxides

halogenated compounds metal oxide/oxides

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.

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. 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".

Japan Page: 3/12

### 6. Accidental release measures

**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. 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. 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.

# 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. Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Avoid release to the environment. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. 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 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. 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   |
|-----------------|---|
| Methanol        | Japan Society for Occupational Health (Japan, 9/2022). Absorbed through skin. OEL-M: 260 mg/m³ 8 hours. OEL-M: 200 ppm 8 hours. Industrial Safety and Health Act (Japan, 6/2020). TWA: 200 ppm 8 hours. |

Japan Page: 4/12

# 8. Exposure controls/personal protection

# procedures

**Recommended monitoring**: 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

: If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

#### **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.

#### **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 Skin protection

: Safety glasses with side shields.

**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** 

: butvl 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.

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

**Appearance** 

**Physical state** : Liquid. Color : Yellow. Odor : Aromatic.

**Boiling point** : >37.78°C (>100°F)

Flash point : Closed cup: Not applicable.

**Relative density** : 1.32

> Japan Page: 5/12

Product name PSX 700 BASE RAL 1023

# 9. Physical and chemical properties

Solubility(ies)

MediaResultcold waterNot 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 : 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 sulfur oxides halogenated compounds

metal oxide/oxides

# 11. Toxicological information

#### Information on toxicological effects

### **Acute toxicity**

| Product/ingredient name                             | Result                          | Species | Dose        | Exposure |
|---|---------------------------------|---------|-------------|----------|
| smuth vanadium<br>tetraoxide ( > 10 microns)        | LC50 Inhalation Dusts and mists | Rat     | >5.15 mg/l  | 4 hours  |
| , ,   | LD50 Oral                       | Rat     | >5 g/kg     | -        |
| titanium dioxide (excluding nanoparticle)           | LC50 Inhalation Dusts and mists | Rat     | >6.82 mg/l  | 4 hours  |
|   | LD50 Dermal                     | Rabbit  | >5000 mg/kg | -        |
|   | LD50 Oral                       | Rat     | >5000 mg/kg | -        |
| bis(1,2,2,6,6-pentamethyl-<br>4-piperidyl) sebacate | LD50 Oral                       | Rat     | 3.125 g/kg  | -        |
| methyl 1,2,2,6,6-pentamethyl- 4-piperidyl sebacate  | LD50 Oral                       | Rat     | 3.125 g/kg  | -        |
| zinc phosphate                                      | LC50 Inhalation Dusts and mists | Rat     | >5.7 mg/l   | 4 hours  |
|   | LD50 Oral                       | Rat     | >5000 mg/kg | -        |
| Methanol  | LC50 Inhalation Vapor           | Rat     | 64000 ppm   | 4 hours  |
|   | LD50 Dermal                     | Rabbit  | 15800 mg/kg | -        |
|   | LD50 Oral                       | Rat     | 5600 mg/kg  | -        |

#### **Irritation/Corrosion**

Not available.

#### **Sensitization**

Not available.

#### **Mutagenicity**

Not available.

Japan Page: 6/12

Product name PSX 700 BASE RAL 1023

# 11. Toxicological information

### **Carcinogenicity**

Not available.

#### **Reproductive toxicity**

Not available.

#### **Teratogenicity**

Not available.

#### Specific target organ toxicity (single exposure)

| Name     | Category               | Route of exposure | Target organs  |
|----------|------------------------|-------------------|--|
| Methanol | Category 1  Category 3 | -                 | central nervous<br>system (CNS),<br>systemic toxicity,<br>visual organ<br>Narcotic effects |

#### Specific target organ toxicity (repeated exposure)

| Name  | Category                               | Route of exposure | Target organs  |
|---|--|-------------------|--|
| titanium dioxide (excluding nanoparticle) zinc phosphate Methanol | Category 1<br>Category 1<br>Category 1 | -                 | respiratory organs<br>blood system<br>central nervous<br>system (CNS),<br>visual organ |

### **Aspiration hazard**

Not available.

Information on the likely

routes of exposure

: Not available.

#### Potential acute health effects

Eye contactInhalationNo known significant effects or critical hazards.No known significant effects or critical hazards.

**Skin contact** : May cause an allergic skin reaction.

**Ingestion** : No known significant effects or critical hazards.

### Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact** : No specific data. **Inhalation** : No specific data.

**Skin contact**: Adverse symptoms may include the following:

irritation redness

**Ingestion**: No specific data.

#### Delayed and immediate effects and also chronic effects from short and long term exposure

**Short term exposure** 

Potential immediate : Not available.

effects

Potential delayed effects : Not available.

Long term exposure

Japan Page: 7/12

Date of issue 30 April 2024 Version 6.01

Product name PSX 700 BASE RAL 1023

# 11. Toxicological information

**Potential immediate** 

Product code 00393285

: Not available.

effects

**Potential delayed effects** : Not available.

#### Potential chronic health effects

General : May cause damage to organs through prolonged or repeated exposure. Once

sensitized, a severe allergic reaction may occur when subsequently exposed to very

low levels.

Carcinogenicity Suspected of causing cancer. Risk of cancer depends on duration and level of

exposure.

Mutagenicity : No known significant effects or critical hazards. : No known significant effects or critical hazards. Reproductive toxicity

#### **Numerical measures of toxicity**

### **Acute toxicity estimates**

| Product/ingredient name                           | Oral (mg/<br>kg) | Dermal<br>(mg/kg) | Inhalation<br>(gases)<br>(ppm) | Inhalation<br>(vapors)<br>(mg/l) | Inhalation<br>(dusts<br>and mists)<br>(mg/l) |
|---|------------------|-------------------|--------------------------------|----------------------------------|--|
| SX 700 BASE RAL 1023                              | 38115.6          | N/A               | N/A                            | N/A                              | N/A  |
| bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate   | 3125             | N/A               | N/A                            | N/A                              | N/A  |
| methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate | 3125             | N/A               | N/A                            | N/A                              | N/A  |
| Methanol  | 500              | 15800             | 64000                          | N/A                              | N/A  |

#### Other information

Sanding and grinding dusts may be harmful if inhaled. Trimethoxysilanes are capable of forming methanol if hydrolyzed or ingested. If swallowed, methanol may be harmful or fatal or cause blindness.

# 12. Ecological information

#### **Toxicity**

| Product/ingredient name   | Result   | Species                        | Exposure            |
|---|--|--------------------------------|---------------------|
| Isopropylidenedicyclohexanol, oligomeric reaction products with 1-chloro-2,3-epoxypropane | LC50 11.5 mg/l                                   | Fish                           | 96 hours            |
| bismuth vanadium tetraoxide ( > 10 microns)   | Acute LC50 10000 mg/l                            | Fish                           | 96 hours            |
| titanium dioxide (excluding nanoparticle)   | Acute LC50 >100 mg/l Fresh water                 | Daphnia - <i>Daphnia magna</i> | 48 hours            |
| zinc phosphate  | Acute LC50 0.112 mg/l<br>Chronic NOEC 0.026 mg/l | Fish<br>Fish                   | 96 hours<br>30 days |
| Methanol  | Acute LC50 13 mg/l Fresh water                   | Fish                           | 96 hours            |

#### Persistence/degradability

Not available.

### **Bioaccumulative potential**

Page: 8/12 **Japan** 

Product name PSX 700 BASE RAL 1023

# 12. Ecological information

| Product/ingredient name                   | LogPow | BCF | Potential |
|---|--------|-----|-----------|
| smuth vanadium tetraoxide ( > 10 microns) | -      | <14 | Low       |
| ,   | -0.77  | -   | 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

### **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. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

# 14. Transport information

|                             | UN              | IMDG            | IATA            |
|-----------------------------|-----------------|-----------------|-----------------|
| UN number                   | Not regulated.  | Not regulated.  | Not regulated.  |
| UN proper shipping name     | -               | -               | -               |
| Transport hazard class(es)  | -               | -               | -               |
| Packing group               | -               | -               | -               |
| Environmental hazards       | No.             | No.             | No.             |
| Marine pollutant substances | Not applicable. | Not applicable. | Not applicable. |

#### **Additional information**

UN : None identified.IMDG : None identified.IATA : 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.

Japan Page: 9/12

**Product name PSX 700 BASE RAL 1023** 

# 14. Transport information

**Transport in bulk according**: Not applicable.

to IMO instruments

# 15. Regulatory information

#### **Fire Service Law**

None of the components are listed.

### Pollutant Release and Transfer Registers (PRTR)

| Ingredient name    | %   | Status  | Reference number |
|--------------------|-----|---------|------------------|
| Vanadium compounds | 3.2 | Class 1 | 321              |

#### **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   | %   | Status | Reference number |
|-------------------|-----|--------|------------------|
| rtanium(IV) oxide | ≤10 | Listed | 191              |

#### **Chemicals requiring notification**

| Ingredient name | %   | Status | Reference number |
|-----------------|-----|--------|------------------|
|                 | ≤10 | Listed | 191              |
|                 | ≤10 | Listed | 560              |

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

None of the components are listed.

#### Mutagen

None of the components are listed.

Corrosive liquid : Not listed

**Occupational Safety and** 

**Health Law** 

: Inflammable, 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

: Inflammable, Combustible

Japan Page: 10/12

Product name PSX 700 BASE RAL 1023

### 15. Regulatory information

**Lead regulation** : Not listed **Organic solvents** : Not applicable.

poisoning prevention

#### **Poisonous and Deleterious Substances**

None of the components are listed.

#### **Chemical Substances Control Law (CSCL)**

| Ingredient name   | %          |                                   | Reference number |
|---|------------|-----------------------------------|------------------|
| ▼ylene<br>2,2,4,4,6,6,8,8-Octamethyl-<br>1,3,5,7,2,4,6,8-tetraoxatetrasilocane                        | ≤10<br>≤10 | Priority assessment<br>Monitoring | 125<br>40        |
| 2,2,4,4,6,6,8,8,10,10,12,12-Dodecamethyl-<br>1,3,5,7,9,11-hexaoxa-2,4,6,8,10,12-hexasilacyclododecane | ≤10        | Monitoring                        | 41               |
| Ethylbenzene  | ≤10        | Priority assessment               | 50               |

**High Pressure Gas Control**: Not available.

#### **Explosives Control Law**

None of the components are listed.

Law concerning prevention : Not available.

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

: All components are listed or exempted. Japan inventory

**Road law** : Not available.

### 16. Other information

#### **History**

Date of issue/Date of

: 30 April 2024

revision

Date of previous issue : 4/15/2024 **Version** : 6.01 **Prepared by** : EHS

Page: 11/12 **Japan** 

Product name PSX 700 BASE RAL 1023

### 16. Other information

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.

Japan Page: 12/12 |