

# SAFETY DATA SHEET

PITT-TECH PLUS DTM Primer Red



Date of issue 29 June 2021

Version 5

## 1. Product and company identification

**Product name** : PITT-TECH PLUS DTM Primer Red  
**Product code** : 00338025  
**Product type** : Liquid.

### Relevant identified uses of the substance or mixture and uses advised against

**Product use** : Industrial applications.

**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  
Tel : +81 78 574 2777  
Fax : +81 78 576 0035

**Emergency telephone  
number** : 078 574 2777

## 2. Hazards identification

**GHS Classification** :  TOXIC TO REPRODUCTION - Category 2  
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) - Category 2  
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2  
AQUATIC HAZARD (ACUTE) - Category 2  
AQUATIC HAZARD (LONG-TERM) - Category 2

### GHS label elements

**Hazard pictograms** :



**Signal word** :  Warning

**Hazard statements** :  Suspected of damaging fertility or the unborn child.  
May cause damage to organs. (respiratory system)  
May cause damage to organs through prolonged or repeated exposure.  
(haematopoietic system, respiratory system)  
Toxic 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. Do not eat, drink or smoke when using this product. Wash thoroughly after handling.

**Response** :  Collect spillage. IF exposed or concerned: Call a POISON CENTER or doctor.

**Storage** : Store locked up.

## 2. Hazards identification

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

**Other hazards which do not result in classification** :  Contains isothiazolinones. May cause allergic reaction.

## 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
<input checked="" type="checkbox"/> Zinc phosphate	7 - <10	7779-90-0	1-1181; 1-526
Talc (containing no asbestos or quartz)	5 - <7	14807-96-6	Not available.
Diiron trioxide	3 - <5	1309-37-1	1-357; 5-5188
2,2,4-trimethylpentane-1,3-diol monoisobutyrate	2 - <3	25265-77-4	Not available.
Zinc oxide	0.2 - <0.5	1314-13-2	1-561
Ammonia aqueous	0.1 - <0.2	1336-21-6	1-314

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

- Eye contact** :  No known significant effects or critical hazards.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** :  May cause damage to organs following a single exposure in contact with skin.
- Ingestion** :  May cause damage to organs following a single exposure if swallowed.

#### Over-exposure signs/symptoms

- Eye contact** :  No specific data.
- Inhalation** :  Adverse symptoms may include the following:  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations

## 4. First aid measures

- Skin contact** :  Adverse symptoms may include the following:  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations
- Ingestion** :  Adverse symptoms may include the following:  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations

### Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- 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.

See toxicological information (Section 11)

## 5. Fire-fighting measures

### Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : 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 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  
phosphorus oxides  
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".

## 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. Collect spillage.

### 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). Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. 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
Talc (containing no asbestos or quartz)	<b>Japan Society for Occupational Health (Japan, 5/2020).</b> OEL-M: 0.5 mg/m <sup>3</sup> 8 hours. Form: Respirable dust (Class 1 Dust) OEL-M: 2 mg/m <sup>3</sup> 8 hours. Form: Total dust (Class 1 Dust)
Diiron trioxide	<b>Japan Society for Occupational Health (Japan, 5/2020).</b> OEL-M: 1 mg/m <sup>3</sup> 8 hours. Form: Respirable

## 8. Exposure controls/personal protection

Zinc oxide	<p>dust (Class 2 Dust)  OEL-M: 4 mg/m<sup>3</sup> 8 hours. Form: Total dust (Class 2 Dust)  <b>Japan Society for Occupational Health (Japan, 5/2020).</b>  OEL-M: 1 mg/m<sup>3</sup> 8 hours. Form: Respirable dust (Class 2 Dust)  OEL-M: 4 mg/m<sup>3</sup> 8 hours. Form: Total dust (Class 2 Dust)</p>
------------	--

**Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. 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. 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** : For prolonged or repeated handling, use the following type of gloves:

Recommended: nitrile rubber, Chloroprene, Viton®

**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.

## 8. Exposure controls/personal protection

**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** : Red.  
**Odor** : Characteristic.  
**Boiling point** : >37.78°C (>100°F)  
**Flash point** : Closed cup: 93.33°C (200°F)  
**Relative density** : 1.18  
**Solubility** : Partially soluble in the following materials: cold water.  
**Viscosity** : Not Applicable

## 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 phosphorus oxides metal oxide/oxides

## 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Zinc phosphate	LC50 Inhalation Dusts and mists	Rat	>5.7 mg/l	4 hours
	LD50 Oral	Rat	>5000 mg/kg	-
Diiron trioxide	LC50 Inhalation Dusts and mists	Rat	>5 mg/l	4 hours
	LD50 Oral	Rat	10 g/kg	-
2,2,4-trimethylpentane-1,3-diol monoisobutyrate	LD50 Dermal	Rabbit	>15.2 g/kg	-
	LD50 Oral	Rat	6.5 g/kg	-
Zinc oxide	LC50 Inhalation Dusts and mists	Rat	>5700 mg/m <sup>3</sup>	4 hours
	LD50 Dermal	Rat	>2000 mg/kg	-

## 11. Toxicological information

Ammonia aqueous	LD50 Oral LD50 Oral	Rat Rat	>5000 mg/kg 350 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)

Name	Category	Route of exposure	Target organs
Talc (containing no asbestos or quartz)	Category 1	-	respiratory system
Diiron trioxide	Category 1	-	respiratory system
Zinc oxide	Category 1	-	respiratory system, systemic toxicity
Ammonia aqueous	Category 1	-	central nervous system (CNS), respiratory system

### Specific target organ toxicity (repeated exposure)

Name	Category	Route of exposure	Target organs
Zinc phosphate	Category 1	-	haematopoietic system
Talc (containing no asbestos or quartz)	Category 1	-	respiratory system
Diiron trioxide	Category 1	-	respiratory system

### Aspiration hazard

Not available.

**Information on the likely routes of exposure** : Not available.

### 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 damage to organs following a single exposure in contact with skin.
- Ingestion** :  May cause damage to organs following a single exposure if swallowed.

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

**Eye contact** :  No specific data.

## 11. Toxicological information

- Inhalation** :  Adverse symptoms may include the following:  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations
- Skin contact** :  Adverse symptoms may include the following:  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations
- Ingestion** :  Adverse symptoms may include the following:  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations

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

#### Short term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

#### Long term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

#### Potential chronic health effects

- General** : May cause damage to organs through prolonged or repeated exposure.
- Carcinogenicity** : No known significant effects or critical hazards.
- Mutagenicity** : No known significant effects or critical hazards.
- Reproductive toxicity** :  Suspected of damaging fertility or the unborn child.

### 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)
<input checked="" type="checkbox"/> Iron trioxide	10000	N/A	N/A	N/A	N/A
<input checked="" type="checkbox"/> 2,2,4-trimethylpentane-1,3-diol monoisobutyrate	6500	N/A	N/A	N/A	N/A
<input checked="" type="checkbox"/> Zinc oxide	N/A	2500	N/A	N/A	N/A
<input checked="" type="checkbox"/> Ammonia aqueous	350	N/A	N/A	N/A	N/A

#### **Other information** :

Sanding and grinding dusts may be harmful if inhaled. Contains isothiazolinones. May cause allergic reaction.

## 12. Ecological information

### Toxicity



## 12. Ecological information

Product/ingredient name	Result	Species	Exposure
Zinc phosphate	Acute LC50 0.112 mg/l Chronic NOEC 0.026 mg/l	Fish Fish	96 hours 30 days
Diiron trioxide	Acute EC50 >100 mg/l	Daphnia	48 hours
2,2,4-trimethylpentane-1,3-diol monoisobutyrate	Acute LC50 33 mg/l	Fish	96 hours
Zinc oxide	Acute EC50 0.17 mg/l Acute EC50 0.481 mg/l Fresh water Chronic NOEC 0.017 mg/l Fresh water	Algae Daphnia - Daphnia magna - Neonate Algae	72 hours 48 hours 72 hours

### Persistence/degradability

Product/ingredient name	Test	Result	Dose	Inoculum
2,2,4-trimethylpentane-1,3-diol monoisobutyrate	OECD 301B	>76 % - Readily - 28 days	-	-

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
2,2,4-trimethylpentane-1,3-diol monoisobutyrate	-	-	Readily

### Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
2,2,4-trimethylpentane-1,3-diol monoisobutyrate	3.2	-	low

### Mobility in soil

Soil/water partition coefficient (K<sub>oc</sub>) : 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	UN3082	UN3082	UN3082
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (trizinc bis(orthophosphate))	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (trizinc bis(orthophosphate))	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (trizinc bis(orthophosphate))
Transport hazard class(es)	9	9	9
Packing group	III	III	III
Environmental hazards	Yes.	Yes.	Yes.
Marine pollutant substances	Not applicable.	(trizinc bis(orthophosphate))	Not applicable.

### Additional information

- UN** : This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.
- IMDG** : This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.
- IATA** : This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.

**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 to IMO instruments** : Not applicable.

## 15. Regulatory information

### Fire Service Law

Category	Substance name/Type	Danger category	Signal word	Designated quantity
Specified flammables	Combustible liquid	Not applicable	Not applicable	2 m <sup>3</sup>

### Pollutant Release and Transfer Registers (PRTR)

None of the components are listed.

### ISHL

#### Use of specified chemical substances

None of the components are listed.

#### Substances requiring labelling

Ingredient name	%	Status	Reference number
Iron oxide; Diiron(III) trioxide	≤5.0	Listed	192

## 15. Regulatory information

### Chemicals requiring notification

Ingredient name	%	Status	Reference number
Iron oxide; Diiron(III) trioxide	≤5.0	Listed	192
Zinc oxide	≤0.30	Listed	188
Ammonia	≤0.30	Listed	39

### Carcinogen

None of the components are listed.

### Mutagen

None of the components are listed.

<b>Corrosive liquid</b>	: Not listed
<b>Occupational Safety and Health Law</b>	: Not available.
<b>Regulations on the Prevention of Tetraalkyl Lead Poisoning</b>	: Not listed
<b>Harmful Substances Subject to Obtaining Permission for Manufacturing</b>	: Not listed
<b>Harmful Substances, Prohibited for Manufacturing</b>	: Not listed
<b>Dangerous Substances</b>	: Not listed
<b>Lead regulation</b>	: Not listed
<b>Organic solvents poisoning prevention</b>	: <input checked="" type="checkbox"/> Not applicable.

### Poisonous and Deleterious Substances

None of the components are listed.

### Chemical Substances Control Law (CSCL)

Ingredient name	%	Status	Reference number
Propane-1,2-diol	0.24651	Priority assessment	106
Methacrylic acid	0.008217	Priority assessment	35
[alpha-(Alkyl(C=16-18))-omega-hydroxypoly(oxyethane-1,2-diyl) or alpha-(alkenyl(C=16-18))-omega-hydroxypoly(oxyethane-1,2-diyl)] (It is limited that the number-average molecular weight of the polymer is less than 1,000.)	0.0025143	Priority assessment	250
2-Aminoethanol	0.000909	Priority assessment	107
Cyclohexane	0.000909	Priority assessment	96
2,2,4,4,6,6,8,8-Octamethyl-1,3,5,7,2,4,6,8-tetraoxatetrasiloxane;	0.000909	Monitoring	40
Octamethylcyclotetrasiloxane			
2,2,4,4,6,6,8,8,10,10,12,12-Dodecamethyl-1,3,5,7,9,11-hexa-oxa-2,4,6,8,10,12-hexasilacyclododecane;	0.000909	Monitoring	41
Dodecamethylcyclohexasiloxane			
Formaldehyde	0.000076483	Priority assessment	25
Sodium 1-oxo-1lambda(5)-pyridine-2-thiolate;	0.00003232	Priority assessment	251

## 15. Regulatory information

2-Pyridinethiol, 1-oxide, sodium salt	0.0000203	Priority assessment	51
Benzyl chloride; (Chloromethyl)benzene	0.0000057	Priority assessment	109
2-Butoxyethanol	0.000003045	Priority assessment	80
1,4-Dioxane			

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

### Explosives Control Law

None of the components are listed.

**Law Concerning Prevention of Pollution of the Ocean and Maritime Disaster** : Not available.

### 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** :  Group 1

**List of Specially Controlled Industrial Waste** : Not listed

**Japan inventory** : At least one component is not listed.

**Road law** : Not available.

## 16. Other information

### History

**Date of issue/Date of revision** : 29 June 2021

**Date of previous issue** : 5/24/2019

**Version** : 5

**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

## 16. Other information

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.