## **SAFETY DATA SHEET**



Date of issue/Date of revision15 November 2022Version 6.04

# Section 1. Identification of the substance/mixture and of the company/undertaking

Product code	: 00195813	
Product name	: SIGMALINE 2500 BASE DARKBROWN	
Other means of identification	: Not available.	
Product type	: Liquid.	

Relevant identified uses of the substance or mixture and uses advised against			
Product use	Coating. Professional applications, Used by spraying.		
Uses advised against	: Product is not intended, labelled or packaged for consumer use.		
Supplier's details	: PPG Coatings (Thailand) Co., Ltd. 15 Rama 9 Road, Kwaeng Huamark, Khet Bangkapi, Bangkok 10240 Thailand T: 662-319-4190 #224 F: 662-319-4189		
Emergency telephone number (with hours of operation)	: CHEMTREC 001-800-13-203-9987 (CCN 17704)		

## Section 2. Hazards identification

: ACUTE TOXICITY (dermal) - Category 5 ACUTE TOXICITY (inhalation) - Category 4
SKIN CORROSION/IRRITATION - Category 2
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A
SKIN SENSITIZATION - Category 1B
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2
AQUATIC HAZARD (ACUTE) - Category 2
AQUATIC HAZARD (LONG-TERM) - Category 2
Percentage of the mixture consisting of ingredient(s) of unknown acute dermal toxicity: 91.9%
Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 88.7%
Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 41.6%

## Section 2. Hazards identification

GHS label elements	
Hazard pictograms	
Signal word	: Warning
Hazard statements	<ul> <li>May be harmful in contact with skin. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful if inhaled. May cause damage to organs through prolonged or repeated exposure. Toxic to aquatic life with long lasting effects.</li> </ul>
Precautionary statements	
Prevention	: Wear protective gloves. Wear eye or face protection. Use only outdoors or in a well- ventilated area. Avoid release to the environment. Do not breathe vapor. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.
Response	: Collect spillage. 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 if you feel unwell. Take off contaminated clothing and wash before reuse. 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. If eye irritation persists: Get medical advice or attention.
Storage	: Not applicable.
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 a substance that may emit formaldehyde if stored beyond its shelf life and/ or during cure at curing temperatures greater than 60C (140F).
Section 3. Compo	sition/information on ingredients
Substance/mixture	: Mixture

CAS number/other identifiers		
CAS number	:	Not applicable.

## Section 3. Composition/information on ingredients

Ingredient name	%	CAS number
Formaldehyde, oligomeric reaction products with 1-chloro- 2,3-epoxypropane and phenol	25- <50	9003-36-5
Phenol, polymer with formaldehyde, glycidyl ether (MW<=700) benzyl alcohol	10- <20 3 - <5	28064-14-4 100-51-6
Talc , not containing asbestiform fibres crystalline silica, respirable powder (<10 microns)	3 - <5 1- <3	14807-96-6 14808-60-7

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

SUB codes represent substances without registered CAS Numbers.

## Section 4. First aid measures

#### **Description of necessary first aid measures**

Eye contact	<ul> <li>Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.</li> </ul>
Inhalation	<ul> <li>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.</li> </ul>
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	<ul> <li>If swallowed, seek medical advice immediately and show this container or label.</li> <li>Keep person warm and at rest. Do NOT induce vomiting.</li> </ul>

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

most important sympton	noreneets, acute and delayed
Potential acute health	effects
Eye contact	: Causes serious eye irritation.
Inhalation	: Harmful if inhaled.
Skin contact	: May be harmful in contact with skin. Causes skin irritation. May cause an allergic skin reaction.
Ingestion	: No known significant effects or critical hazards.
Over-exposure signs/s	<u>ymptoms</u>
Eye contact	: Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	: No specific data.
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	<ul> <li>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</li> </ul>
Specific treatments	: No specific treatment.

## Section 4. First aid measures

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)

## Section 5. Fire-fighting measures

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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 halogenated compounds metal oxide/oxides Formaldehyde.
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	<ul> <li>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</li> </ul>

## Section 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".
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.

## Section 6. Accidental release measures

#### 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.

## Section 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. 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, including any incompatibilities	: 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. 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.

## Section 8. Exposure controls/personal protection

## Control parameters

Occupational exposure limits

## Section 8. Exposure controls/personal protection

Ingredient name		Exposure limits		
ralc , not containing asbestiform fibres crystalline silica, respirable powder (<10 microns)		<ul> <li>Ministry of Labor (Thailand, 8/2017). TWA: 0.1 fibres/1 cc 8 hours. Form: Respirable dust TWA: 2 mg/m<sup>3</sup> 8 hours. Form: Respirable dust</li> <li>Ministry of Labor (Thailand, 8/2017). [crystalline silica] TWA: 0.025 mg/m<sup>3</sup> 8 hours. Form: Respirable dust</li> </ul>		
Recommended monitoring procedures	atmosphere or biological monitorin of the ventilation or other control m protective equipment. Reference s standards. Reference to national g	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	ventilation or other engineering cor	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.		
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.			
ndividual protection measure	<u>es</u>			
Hygiene measures	eating, smoking and using the lava Appropriate techniques should be Contaminated work clothing should	oroughly after handling chemical products, before tory and at the end of the working period. used to remove potentially contaminated clothing. I not be allowed out of the workplace. Wash ng. Ensure that eyewash stations and safety on location.		
Eye protection	: Chemical splash goggles.			
Skin protection				
Hand protection	be worn at all times when handling this is necessary. Considering the check during use that the gloves a should be noted that the time to br different for different glove manufa	ves complying with an approved standard should chemical products if a risk assessment indicates parameters specified by the glove manufacturer, re still retaining their protective properties. It eakthrough for any glove material may be cturers. In the case of mixtures, consisting of time of the gloves cannot be accurately		
Gloves Body protection		the body should be selected based on the task lved and should be approved by a specialist		

## Section 8. Exposure controls/personal protection

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	<ul> <li>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.</li> </ul>

## Section 9. Physical and chemical properties

Appearance		
Physical state	:	Liquid.
Color	1	Various
Odor	:	Characteristic.
Odor threshold	:	Not available.
рН	;	insoluble in water.
Melting point	:	May start to solidify at the following temperature: -15.4°C (4.3°F) This is based on data for the following ingredient: benzyl alcohol. Weighted average: -20.09°C (-4.2°F)
Boiling point	:	>37.78°C (>100°F)
Flash point	:	Closed cup: 172°C (341.6°F)
Evaporation rate	:	0.007 (benzyl alcohol) compared with butyl acetate
Flammability (solid, gas)	1	liquid
Lower and upper explosive (flammable) limits	:	Greatest known range: Lower: 1.3% Upper: 13% (benzyl alcohol)
Vapor pressure	:	Highest known value: 0.007 kPa (0.05 mm Hg) (at 20°C) (benzyl alcohol). Weighted average: 0.001 kPa (0.008 mm Hg) (at 20°C)
Vapor density	:	Highest known value: 3.7 (Air = 1) (benzyl alcohol).
Relative density	1	1.62
		Media Result
Solubility(ies)	•	old water Not soluble
Partition coefficient: n- octanol/water	:	Not applicable.
Auto-ignition temperature	:	435°C
Decomposition temperature	:	Stable under recommended storage and handling conditions (see Section 7).
Viscosity	:	Kinematic (40°C): >21 mm²/s
Viscosity	;	60 - 100 s (ISO 6mm)

## Section 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 halogenated compounds Formaldehyde. metal oxide/oxides		
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 halogenated compounds Formaldehyde. metal oxide/	Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
reactions         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 halogenated compounds Formaldehyde. metal oxide/	Chemical stability	: The product is stable.
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 halogenated compounds Formaldehyde. metal oxide/	-	: Under normal conditions of storage and use, hazardous reactions will not occur.
<ul> <li>oxidizing agents, strong alkalis, strong acids.</li> <li>Hazardous decomposition products decomposition products may include the following materials: carbon oxides halogenated compounds Formaldehyde. metal oxide/</li> </ul>	Conditions to avoid	
products materials: carbon oxides halogenated compounds Formaldehyde. metal oxide/	Incompatible materials	
		materials: carbon oxides halogenated compounds Formaldehyde. metal oxide/

## Section 11. Toxicological information

#### Information on toxicological effects

Acute toxicity				
Product/ingredient name	Result	Species	Dose	Exposure
Formaldehyde, oligomeric reac products with 1-chloro- 2,3-epoxypropane and phenol	tion LD50 Oral	Rat	>10000 mg/ kg	-
benzyl alcohol	LC50 Inhalation Dusts and mist LD50 Dermal LD50 Oral	ts Rat Rabbit Rat	>4178 mg/m³ 2000 mg/kg 1.23 g/kg	4 hours - -
Conclusion/Summary : T	There are no data available on the mixtu	ıre itself.		
Eyes: 1Respiratory: 1SensitizationConclusion/SummarySkin: 1	There are no data available on the mixtu There are no data available on the mixtu There are no data available on the mixtu There are no data available on the mixtu	ire itself. ire itself. ire itself.		
Respiratory : 1 <u>Mutagenicity</u>	There are no data available on the mixtu	ıre itself.		
Conclusion/Summary : T Carcinogenicity	There are no data available on the mixtu	ıre itself.		
Conclusion/Summary : 1 <u>Reproductive toxicity</u>	There are no data available on the mixtu	ıre itself.		

## Section 11. Toxicological information

**Conclusion/Summary** : There are no data available on the mixture itself.

#### **Teratogenicity**

**Conclusion/Summary** : There are no data available on the mixture itself.

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

Name		Route of exposure	Target organs
	Category 3	-	Respiratory tract irritation

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

Name		Route of exposure	Target organs
crystalline silica, respirable powder (<10 microns)	Category 1	inhalation	-

#### Aspiration hazard

Name	Result
benzyl alcohol	ASPIRATION HAZARD - Category 2

Information on the likely	: Not available.
routes of exposure	

#### Potential acute health effects

Eye contact	: Causes serious eye irritation.
Inhalation	: Harmful if inhaled.
Skin contact	: May be harmful in contact with skin. Causes skin irritation. 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	: Adverse symptoms may include the following: pain or irritation watering redness
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

## Section 11. Toxicological information

Potential delayed effects Long term exposure	: Not available.
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Potential chronic health eff	ects
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	: 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

ATE value	
15627.25 mg/kg 3649.55 mg/kg 3.8 mg/l	
	15627.25 mg/kg

#### 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. Contains a substance that may emit formaldehyde if stored beyond its shelf life and/or during cure at curing temperatures greater than 60C (140F).

## Section 12. Ecological information

#### **Toxicity**

Product/ingredient name	Result	Species	Exposure
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol	Acute LC50 2.54 mg/l	Fish	96 hours
Conclusion/Summary	: There are no data available on the m	ixture itself.	

Persistence/degradability

Conclusion/Summary	: There are no data available on the mixture itself.		
Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
benzyl alcohol	-	-	Readily

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## Section 12. Ecological information

#### **Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
Formaldehyde, oligomeric reaction products with 1-chloro- 2,3-epoxypropane and phenol	2.7	-	low
benzyl alcohol	0.87	-	low

#### Mobility in soil

Soil/water partition coefficient (Koc)	: Not available.
Other adverse effects	: No known significant effects or critical hazards.

## Section 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.

## Section 14. Transport information

	UN	IMDG	ΙΑΤΑ	
UN number	UN3082	UN3082	UN3082	
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	
	(Epoxy Resin, Phenol, polymer with formaldehyde, glycidyl ether (MW<=700))	(Epoxy Resin, Phenol, polymer with formaldehyde, glycidyl ether (MW<=700))	(Epoxy Resin, Phenol, polymer with formaldehyde, glycidyl ether (MW<=700))	
Transport hazard class(es)	9	9	9	
Packing group		III	III	
Environmental hazards	Yes.	Yes.	Yes.	
Marine pollutant substances	Not applicable.	(Epoxy Resin, Phenol, polymer with formaldehyde, glycidyl ether (MW<=700))	Not applicable.	

## Section 14. Transport information

#### Additional information

UN			is not regulated as a dangerous good when transported in sizes of $\leq$ 5 L or $\leq$ 5 kg, 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			is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.
ΙΑΤΑ			is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, packagings meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.
Special precaution	ons fo	r user	<b>Transport within user's premises:</b> 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

## Section 15. Regulatory information

Harmful Chemicals List Safety, health and environmental regulations specific for the product

ListedNo known specific national and/or regional regulations applicable to this product

(including its ingredients).

International regulations

#### Montreal Protocol

Not listed.

#### Stockholm Convention on Persistent Organic Pollutants

Not listed.

## Section 16. Other information

<u>History</u>	
Date of issue/Date of revision	: 15 November 2022
Date of previous issue	: 6/25/2021
Version	: 6.04
Prepared by	: EHS
Key to abbreviations	<ul> <li>ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway</li> <li>ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road</li> <li>ATE = Acute Toxicity Estimate</li> <li>BCF = Bioconcentration Factor</li> <li>GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association</li> </ul>

## Section 16. Other information

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.