# **SAFETY DATA SHEET**

9 October 2024

PPG

Version1.03

## Section 1. Identification

Date of issue/Date of revision

Product code	: 000001091340
Product name	: SIGMALINE 855 (11) HARDENER
Other means of identification	: 00349941
Product type	: Liquid.
Relevant identified uses	of the substance or mixture and uses advised against
Product use	: ⊭ardener.; Coating. Professional applications, Used by spraying.
Uses advised against	: Product is not intended, labelled or packaged for consumer use.
Supplier's details	: PT PPG Coatings Indonesia JI. Rawagelam III No.1 13930 Jakarta Indonesia Tel +62 21 4605710 PMC.Safety@PPG.com
Emergency telephone number	: CHEMTREC 001-803-017-9114 (CCN 17704)

## Section 2. Hazards identification

Classification of the substance or mixture	<ul> <li>ACUTE TOXICITY (inhalation) - Category 4         <pre>SKIN CORROSION/IRRITATION - Category 2         SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A         RESPIRATORY SENSITIZATION - Category 1         SKIN SENSITIZATION - Category 1         CARCINOGENICITY - Category 2         SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract         irritation) - Category 3         SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2         Percentage of the mixture consisting of ingredient(s) of unknown hazards to the         aquatic environment: 95%</pre></li> </ul>
--------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

GHS label elements, inclue	ding precautionary statements
Hazard pictograms	

Signal word

: Danger

Product code 000001091340 Product name SIGMALINE 855 (11) HARDENER Version 1.03

### Section 2. Hazards identification

Hazard statements	:	Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure. (respiratory system)
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. Wear respiratory protection. Use only outdoors or in a well- ventilated area. Do not breathe vapor. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.
Response	:	<b>I F</b> exposed or concerned: Get medical advice or attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell. If experiencing respiratory symptoms: Call a POISON CENTER or doctor. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or attention. Take off contaminated clothing and wash it before reuse. 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	1	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	:	None known.

result in classification

None known.

### Section 3. Composition/information on ingredients

Substance/mixture

: Mixture

#### **CAS number/other identifiers**

CAS number EC number	: Not applicable. : Mixture.
Ingredient name	
<b>—</b>	

Ingredient name	%	CAS number
<b>I</b> socyanic acid, polymethylenepolyphenylene ester, polymer with .alpha	25- <50	53862-89-8
hydroomegahydroxypoly[oxy(methyl-1,2-ethanediyl)]		
4,4'-methylenediphenyl diisocyanate	25- <50	101-68-8
Isocyanic acid, polymethylenepolyphenylene ester	25- <50	9016-87-9
methylenediphenyl diisocyanate, oligomers, polymer	5- <10	SUB137264

There are no 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.

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.

SUB codes represent substances without registered CAS Numbers.

### Section 3. Composition/information on ingredients

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

### Section 4. First aid measures

<b>Description of necess</b>	ary 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> <li>In case of accidental eye contact, avoid direct exposure to the sun or other sources of UV light as severe irritation including burns may result. These reactions can be delayed – get medical attention if pain, irritation or blistering occurs after contact.</li> </ul>
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	<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

### Potential acute health effects

Eye contact	uses serious eye irritation.	
Inhalation	mful if inhaled. May cause respiratory irritation. May cause allergy or asther or breathing difficulties if inhaled.	าma
Skin contact	uses skin irritation. May cause an allergic skin reaction.	
Ingestion	known significant effects or critical hazards.	
Over-exposure signs/sympto		
Eye contact	verse symptoms may include the following: n or irritation ering ness	
Inhalation	verse symptoms may include the following: piratory tract irritation ighing eezing and breathing difficulties hma	
Skin contact	rerse symptoms may include the following: ation ness	
Ingestion	specific data.	
Indication of immediate medic	ention and special treatment needed, if necessary	
Notes to physician	case of inhalation of decomposition products in a fire, symptoms may be de e exposed person may need to be kept under medical surveillance for 48 h	
Specific treatments	specific treatment.	
Protection of first-aiders	action shall be taken involving any personal risk or without suitable training uspected that fumes are still present, the rescuer should wear an appropri sk or self-contained breathing apparatus. It may be dangerous to the pers viding aid to give mouth-to-mouth resuscitation. Wash contaminated cloth roughly with water before removing it, or wear gloves.	iate son

### Section 4. First aid measures

See toxicological information (Section 11)

### Section 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.
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.
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).
Methods and materials for co	nt	ainment 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.

Indonesia

<sup>;</sup> Page: 5/13

Version 1.03

Section 6. Accidental release measures

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.
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.

### Section 7. Handling and storage

#### Precautions for safe handling

Protective measures	Put on appropriate personal protective equipment (see Section 8). 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. 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. 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.
Advice on general occupational hygiene	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Conditions for safe storage, including any incompatibilities	Store between the following temperatures: 0 to $35^{\circ}C$ ( $32$ to $95^{\circ}F$ ). 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. 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.
including any	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 close and sealed until ready for use. Containers that have been opened must be careful resealed and kept upright to prevent leakage. Do not store in unlabeled containers Use appropriate containment to avoid environmental contamination. See Section for incompatible materials before handling or use.

### Section 8. Exposure controls/personal protection

#### **Control parameters**

#### **Occupational exposure limits**

Ingredient name			Exposure limits		
4,4'-methylenediphenyl diisocyanate Isocyanic acid, polymethylenepolyphenylene ester			ACGIH TLV (United States, 1/2007) TWA 8 hours: 0.05 mg/m <sup>3</sup> . Minister of Labor of the Republic of Indonesia (Indonesia, 4/2018) Inhalation sensitizer. TWA 8 hours: 0.005 ppm.		
Recommended monitoring procedures	:		riate monitoring standards. Reference to hods for the determination of hazardous		
Appropriate engineering controls	:	Use only with adequate ventilation. U ventilation or other engineering contro contaminants below any recommended	ols to keep worker exposure to airborne		
Environmental exposure controls	:				
Individual protection measu	<u>res</u>				
Hygiene measures	:	eating, smoking and using the lavator Appropriate techniques should be use Contaminated work clothing should no	bughly after handling chemical products, before y and at the end of the working period. ed to remove potentially contaminated clothing. ot be allowed out of the workplace. Wash . Ensure that eyewash stations and safety location.		
Eye/face protection	:	Chemical splash goggles.			
Skin protection					
Hand protection	:	be worn at all times when handling ch this is necessary. Considering the pa check during use that the gloves are s should be noted that the time to break	s complying with an approved standard should emical products if a risk assessment indicates rameters specified by the glove manufacturer, still retaining their protective properties. It sthrough for any glove material may be rers. In the case of mixtures, consisting of the of the gloves cannot be accurately		
Gloves	1	polyethylene butyl rubber			
Body protection	:		body should be selected based on the task ad and should be approved by a specialist		
Other skin protection	:		nal skin protection measures should be formed and the risks involved and should be ing this product.		

<sup>2</sup> Page: 7/13

Indonesia

### Product name SIGMALINE 855 (11) HARDENER

### Section 8. Exposure controls/personal protection

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.
Restrictions on use	:	Persons with a history of asthma, allergies or chronic or recurrent respiratory disease should not be employed in any process in which this product is used.

### **Section 9. Physical and chemical properties**

<u>Appearance</u>		
Physical state	:	Liquid.
Color	1	Colorless.
Odor	:	Aromatic.
Odor threshold	:	Not available.
рН	:	Not applicable.
Melting point	:	Not available.
Boiling point	:	>37.78°C (>100°F)
Flash point	:	Closed cup: Not applicable.
Evaporation rate	:	Not available.
Flammability/Combustible properties (solid, gas)	1	Not available.
Lower and upper explosive (flammable) limits	1	Not available.
Vapor pressure	:	Not available.
Vapor density	:	Not available.
Relative density	:	1.17
Solubility(ies)		Media Result
oordonity(ies)	Ċ	cold water Not soluble
Partition coefficient: n- octanol/water	:	Not applicable.
Auto-ignition temperature	:	Not available.
Decomposition temperature	:	Not available.
Viscosity	:	

## Section 10. Stability and reactivity

Reactivity	1	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.

## Section 10. Stability and reactivity

Conditions to avoid	1	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

### Section 11. Toxicological information

### Information on toxicological effects

Acute	toxicity

Product/ingredient name	Result			Species	\$	Dose	)	Exposure
✔,4'-methylenediphenyl diisocyanate Isocyanic acid,	LD50 Oral LD50 Dermal			Rat Rabbit		9200 mg/kg >9400 mg/kg		-
polymethylenepolyphenylene ester								
	LD50 Oral			Rat	t 49 g		/kg	-
Conclusion/Summary	: There are no da	ata availat	ole on	the mixtu	ire itsel	f.		
Irritation/Corrosion								
Product/ingredient name	Result		Spec	ies	Score		Exposure	Observation
4'-methylenediphenyl diisocyanate	Skin - Irritant		Rabb	it	-		-	-
Conclusion/Summary								
Skin	: There are no d	ata availa	ble on	the mixt	ure itse	lf.		
Eyes	: There are no d							
Respiratory	: There are no d	ata availa	ble on	the mixt	ure itse	lf.		
<u>Sensitization</u>	1	Т				1		
Product/ingredient name	Route of exposure	Species	;			Resu	ılt	
✔,4'-methylenediphenyl diisocyanate	Respiratory	Guinea	pig				sitizing	
	skin	Mouse				Sens	sitizing	
Conclusion/Summary								
Skin	: There are no d	ata availa	ble on	the mixt	ure itse	lf.		
Respiratory <u>Mutagenicity</u>	: There are no d	ata availa	ble on	the mixt	ure itse	lf.		
Conclusion/Summary Carcinogenicity	: There are no d	ata availa	ble on	the mixt	ure itse	lf.		
Product/ingredient name	Result		S	pecies		Dose	)	Exposure
✓,4'-methylenediphenyl diisocyanate	Positive - Inhalation - TC			lat		0 to	6 mg/m³	2 years; 5 days per week
Conclusion/Summary	: There are no d	ata availa	ble on	the mixt	ure itse	lf.		
Reproductive toxicity								
Conclusion/Summary	: There are no d	ata availa	ble on	the mixt	ure itse	lf.		
							Indones	ia <sup>:</sup> Page: 8/13

Section 11. Toxicological information

#### **Teratogenicity**

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

Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
Isocyanic acid, polymethylenepolyphenylene ester, polymer with .alphahydroomegahydroxypoly[oxy (methyl-1,2-ethanediyl)]	Category 3	-	Respiratory tract irritation
4,4'-methylenediphenyl diisocyanate	Category 3	-	Respiratory tract irritation
Isocyanic acid, polymethylenepolyphenylene ester	Category 3	-	Respiratory tract irritation
methylenediphenyl diisocyanate, oligomers, polymer	Category 3	-	Respiratory tract irritation

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

Name		Route of exposure	Target organs
Isocyanic acid, polymethylenepolyphenylene ester, polymer with .alphahydroomegahydroxypoly[oxy (methyl-1,2-ethanediyl)]	Category 2	inhalation	-
4,4'-methylenediphenyl diisocyanate Isocyanic acid, polymethylenepolyphenylene ester	5	inhalation inhalation	respiratory system -

#### **Aspiration hazard**

Not available.

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

Potential acute health effects

r oteritiar acate ricultir cricoto		
Eye contact	Causes serious eye irritation.	
Inhalation	Harmful if inhaled. May cause respiratory irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.	
Skin contact	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	: Adverse symptoms may include the following: respiratory tract irritation coughing wheezing and breathing difficulties asthma	
Skin contact	: Adverse symptoms may include the following: irritation redness	
Ingestion	: No specific data.	
		Indonesia

### Section 11. Toxicological information

Delayed and immediate effects and also chronic effects from short and long term exposure				
Short term exposure				
Potential immediate effects	: There are no data available on the mixture itself.			
Potential delayed effects	: There are no data available on the mixture itself.			
<u>Long term exposure</u>				
Potential immediate effects	: There are no data available on the mixture itself.			
Potential delayed effects	: There are no data available on the mixture itself.			
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	: Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.			
Mutagenicity	: No known significant effects or critical hazards.			
Reproductive toxicity	: No known significant effects or critical hazards.			

#### Numerical measures of toxicity

#### Acute toxicity estimates

Route	ATE value
	17.33 mg/l 2.19 mg/l

#### Other information

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. Acrylate components of the mixture have irritating properties. Prolonged or repeated contact with skin or mucous membrane may result in irritation symptoms, such as redness, blistering, dermatitis etc. May cause allergic skin reactions with repeated exposure. The inhalation of airborne droplets or aerosols may cause irritation of the respiratory tract. Ingestion may cause nausea, weakness and central nervous system effects. In case of accidental skin contact, avoid direct exposure to the sun or other sources of UV light as severe irritation including burns may result. These reactions can be delayed – get medical attention if pain, irritation, rash or blistering occurs after contact.

### Section 12. Ecological information

Toxicity Not available.

#### Persistence/degradability

Not available.

#### **Bioaccumulative potential**

### Section 12. Ecological information

Product/ingredient name	LogPow	BCF	Potential
4'-methylenediphenyl diisocyanate	4.51	-	High
methylenediphenyl diisocyanate, oligomers, polymer	6.17	-	High

#### Mobility in soil

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

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	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.

### Section 14. Transport information

Special precautions for user	4	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

### Section 15. Regulatory information

Safety, health and environmental regulations specific for the product Law No. 74/2001 - Banned	: No known specific national and/or regional regulations applicable to this product (including its ingredients).

None of the components are listed.

#### Law No. 74/2001 - Restricted

None of the components are listed.

#### Law No. 74/2001 -: Not determined Chemicals that may be used

#### **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	: 9 October 2024
Date of previous issue	: 11/21/2022
Version	: 1.03
Prepared by	: EHS
Key to abbreviations	<ul> <li>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</li> </ul>
Indicatos information that	t has changed from proviously issued version

Indicates information that has changed from previously issued version.

### Section 16. Other information

#### 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.