# **SAFETY DATA SHEET**

Date of issue/Date of revision 7 May 2020 Version5

### Section 1. Identification

Product code	: 00386852
Product name	: SIGMADUR 550 BASE GREEN 4150
Other means of identification	: Not available.
Product type	: Liquid.
Relevant identified uses of	of the substance or mixture and uses advised against
Product use	: Coating. Paint. Painting-related materials.
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>FLAMMABLE LIQUIDS - Category 3 ACUTE TOXICITY (inhalation) - Category 4 SKIN CORROSION/IRRITATION - Category 2 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3</li> <li>✓ercentage of the mixture consisting of ingredient(s) of unknown acute toxicity:</li> </ul>
	2.6% (Dermal), 34% (Inhalation)
	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 57.8%

**GHS label elements, including precautionary statements** 

Hazard pictograms

Hazard pictograms			
Signal word Hazard statements	<ul> <li>Warning</li> <li>Fammable liquid and vapor. Causes skin irritation.</li> </ul>		
	Causes serious eye irritation. Causes serious eye irritation. Harmful if inhaled. May cause respiratory irritation.		

#### **Precautionary statements**

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### Section 2. Hazards identification

Prevention	:	Wear protective gloves. Wear protective clothing. Wear eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating or lighting equipment. Use non-sparking tools. Take action to prevent static discharges. Avoid breathing vapor. Wash thoroughly after handling.
Response	:	INHALED: Call a POISON CENTER or doctor if you feel unwell. Take off contaminated clothing and wash it before reuse. IF ON SKIN: Wash with plenty of water. 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	:	Store in a well-ventilated place. Keep container tightly closed. Keep cool.
Disposal	:	Dispose of contents and container in accordance with all local, regional, national and international regulations.
Other hazards which do not		Prolonged or repeated contact may dry skin and cause irritation

result in classification

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

Section 3. Composition/information on ingredients

Substance/mixture	: Mixture
Other means of	: Not available.
identification	

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

CAS number	: Not applicable.
EC number	: Mixture.

Ingredient name	%	CAS number
xylene	20- <25	1330-20-7
n-butyl acetate	5- <10	123-86-4
ethylbenzene	3- <5	100-41-4
Talc , not containing asbestiform fibres	1- <3	14807-96-6
toluene	0.1- <0.3	108-88-3

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.

SUB codes represent substances without registered CAS Numbers.

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

### Section 4. First aid measures

Description of necessar	<u>y first aid measures</u>
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	: 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	<ul> <li>Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.</li> </ul>
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>

### Section 4. First aid measures

Most important symptoms/effects, acute and delayed		
Potential acute health effe	<u>cts</u>	
Eye contact	: Causes serious eye irritation.	
Inhalation	: Harmful if inhaled. May cause respiratory irritation.	
Skin contact	: Causes skin irritation. Defatting to the skin.	
Ingestion	: No known significant effects or critical hazards.	
<u>Over-exposure signs/sym</u>	<u>ptoms</u>	
Eye contact	: Adverse symptoms may include the following: pain or irritation watering redness	
Inhalation	: Adverse symptoms may include the following: respiratory tract irritation coughing	
Skin contact	: Adverse symptoms may include the following: irritation redness dryness cracking	
Ingestion	: No specific data.	
Indication of immediate medical attention and special treatment needed, if necessary		
Notes to physician	<ul> <li>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</li> </ul>	
Specific treatments	: No specific treatment.	
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.	

See toxicological information (Section 11)

### Section 5. Fire-fighting measures

Extinguishing media	
Suitable extinguishing media	: Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.
Unsuitable extinguishing media	: Do not use water jet.
Specific hazards arising from the chemical	: Flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon oxides sulfur oxides metal oxide/oxides

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### Section 5. Fire-fighting measures

Special protective actions for fire-fighters	:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
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.

### Section 6. Accidental release measures

Personal precautions, protec	tiv	e equipment and emergency procedures
For non-emergency personnel	:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	:	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Environmental precautions	:	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Methods and materials for containment and cleaning up		
Small spill	:	Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with noncombustible, 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	1	
Protective measures	:	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers

### Section 7. Handling and storage

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°C (32 to 95°F). Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

### Section 8. Exposure controls/personal protection

#### **Control parameters**

**Occupational exposure limits** 

Ingredient name	Exposure limits
xylene	Minister of Labor of the Republic of Indonesia (Indonesia, 4/2018). TWA: 434 mg/m <sup>3</sup> 8 hours. TWA: 100 BDS 8 hours. STEL: 651 mg/m <sup>3</sup> 15 minutes. STEL: 150 BDS 15 minutes. Ministry of Employment and Labor (Indonesia, 2/1997). STEL: 651 mg/m <sup>3</sup> 15 minutes. STEL: 150 BDS 15 minutes.
n-butyl acetate	Minister of Labor of the Republic of Indonesia (Indonesia, 4/2018). TWA: 50 BDS 8 hours. STEL: 150 BDS 15 minutes. Ministry of Employment and Labor (Indonesia, 2/1997). STEL: 950 mg/m <sup>3</sup> 15 minutes. STEL: 200 BDS 15 minutes.
ethylbenzene	Minister of Labor of the Republic of Indonesia (Indonesia, 4/2018). TWA: 20 BDS 8 hours. Ministry of Employment and Labor (Indonesia, 2/1997). STEL: 543 mg/m <sup>3</sup> 15 minutes. STEL: 125 BDS 15 minutes.
Talc , not containing asbestiform fibres	Minister of Labor of the Republic of Indonesia (Indonesia, 4/2018). TWA: 2 mg/m <sup>3</sup> 8 hours. Form: respirable particles
toluene	Minister of Labor of the Republic of Indonesia (Indonesia, 4/2018).

## Section 8. Exposure controls/personal protection

			TWA: 20 BDS 8 hours.	
Recommended monitoring procedures	:	atmosphere or biological monitoring n of the ventilation or other control measured		
Appropriate engineering controls	:	Jse only with adequate ventilation. Use process enclosures, local exhaust entilation or other engineering controls to keep worker exposure to airborne ontaminants below any recommended or statutory limits. The engineering controls Iso need to keep gas, vapor or dust concentrations below any lower explosive mits. Use explosion-proof ventilation equipment.		
Environmental exposure controls	:	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.		
Individual protection measu	res			
Hygiene measures	:	Wash hands, forearms and face thoroughly after handling chemical products, befo 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/face protection	:	Chemical splash goggles.		
Skin protection				
Hand protection	:	Chemical-resistant, impervious gloves complying with an approved standard shoul be worn at all times when handling chemical products if a risk assessment indicate this is necessary. Considering the parameters specified by the glove manufacture 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, u	se the following type of gloves:	
		Not recommended: nitrile rubber Recommended: polyvinyl alcohol (PV/	A), Viton®	
Body protection	:	being performed and the risks involve		
Other skin protection	:		nal skin protection measures should be ormed and the risks involved and should be ing this product.	

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### Section 8. Exposure controls/personal protection

Respiratory protection: Respirator selection must be based on known or anticipated exposure levels, the<br/>hazards of the product and the safe working limits of the selected respirator. If<br/>workers are exposed to concentrations above the exposure limit, they must use<br/>appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed<br/>respirator complying with an approved standard if a risk assessment indicates this is<br/>necessary.

### Section 9. Physical and chemical properties

Appearance		
Physical state	:	Liquid.
Color	1	Silvery.
Odor	1	Characteristic.
Odor threshold	:	Not available.
рН	:	Not available.
Melting point	:	Not available.
Boiling point	:	>37.78°C (>100°F)
Flash point	:	Closed cup: 24°C (75.2°F)
Evaporation rate	:	Not available.
Flammability/Combustible properties (solid, gas)	;	Not available.
Lower and upper explosive (flammable) limits	:	Greatest known range: Lower: 1.4% Upper: 7.6% (n-butyl acetate)
Vapor pressure	:	Not available.
Vapor density	:	Not available.
Relative density	:	1.35
Solubility	:	Insoluble in the following materials: cold water.
Partition coefficient: n- octanol/water	;	Not available.
		Not available.
Auto-ignition temperature	-	
Decomposition temperature		Not available.
Viscosity	÷	Kinematic (40°C): >0.21 cm²/s

### 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.

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### Section 10. Stability and reactivity

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Hazardous decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

### Section 11. Toxicological information

#### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
<b>xy</b> lene	LD50 Dermal	Rabbit	>1.7 g/kg	-
-	LD50 Oral	Rat	4.3 g/kg	-
n-butyl acetate	LC50 Inhalation Vapor	Rat	>21.1 mg/l	4 hours
-	LC50 Inhalation Vapor	Rat	2000 ppm	4 hours
	LD50 Dermal	Rabbit	>17600 mg/kg	-
	LD50 Oral	Rat	10.768 g/kg	-
ethylbenzene	LC50 Inhalation Vapor	Rat	17.8 mg/l	4 hours
	LD50 Dermal	Rabbit	17.8 g/kg	-
	LD50 Oral	Rat	3.5 g/kg	-
toluene	LC50 Inhalation Vapor	Rat	49 g/m <sup>3</sup>	4 hours
	LD50 Dermal	Rabbit	8.39 g/kg	-
	LD50 Oral	Rat	5580 mg/kg	-
Conclusion/Summary	: There are no data available	e on the mixture it	self.	·

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Kylene Skin - Moderate irritant		Rabbit	-	24 hours 500	-
				mg	

Conclusion/Summary					
Skin	: There are no data available on the mixture itself.				
Eyes	: There are no data available on the mixture itself.				
Respiratory	: There are no data available on the mixture itself.				
Sensitization					
Conclusion/Summary					
Skin	: There are no data available on the mixture itself.				
Respiratory	: There are no data available on the mixture itself.				
Mutagenicity					
<b>Conclusion/Summary</b>	: There are no data available on the mixture itself.				
<b>Carcinogenicity</b>					
<b>Conclusion/Summary</b>	: There are no data available on the mixture itself.				
Reproductive toxicity					
<b>Conclusion/Summary</b>	: There are no data available on the mixture itself.				
Teratogenicity					
<b>Conclusion/Summary</b>	: There are no data available on the mixture itself.				
<u>Specific target organ toxicity (single exposure)</u>					

### Section 11. Toxicological information

Name	Category	Route of exposure	Target organs
<b>x</b> ylene	Category 3	-	Respiratory tract irritation
n-butyl acetate	Category 3	-	Narcotic effects
Talc , not containing asbestiform fibres	Category 3	-	Respiratory tract irritation
toluene	Category 3	-	Narcotic effects

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

Name		Route of exposure	Target organs
	Category 2 Category 2	-	hearing organs -

#### Aspiration hazard

Name	Result
ethylbenzene	ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1

			Indonesia	<sup>:</sup> Pa
Potential delayed effects	:	There are no data available on the mixture itself.		
Potential immediate effects	:	There are no data available on the mixture itself.		
Short term exposure				
Delayed and immediate effe	<u>cts</u>	and also chronic effects from short and long term	exposure	
Ingestion	:	No specific data.		
		irritation redness dryness cracking		
Skin contact		coughing Adverse symptoms may include the following:		
Inhalation	:	Adverse symptoms may include the following: respiratory tract irritation		
Eye contact		Adverse symptoms may include the following: pain or irritation watering redness		
Symptoms related to the phy		al, chemical and toxicological characteristics		
Ingestion	:	No known significant effects or critical hazards.		
Skin contact	:	Causes skin irritation. Defatting to the skin.		
Inhalation	:	Harmful if inhaled. May cause respiratory irritation.		
Eye contact	_	Causes serious eye irritation.		
Potential acute health effect	s			
Information on the likely routes of exposure	1	Not available.		

### Section 11. Toxicological information

<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	: Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/ or dermatitis.
Carcinogenicity	: No known significant effects or critical hazards.
Mutagenicity	: No known significant effects or critical hazards.
Teratogenicity	: No known significant effects or critical hazards.
<b>Developmental effects</b>	: No known significant effects or critical hazards.
Fertility effects	: No known significant effects or critical hazards.

#### Numerical measures of toxicity

#### Acute toxicity estimates

Route	ATE value
Øermal	4614.56 mg/kg
Inhalation (vapors)	27.45 mg/l
Inhalation (dusts and mists)	3.53 mg/l

#### Other information

There are no data available on the mixture itself. The mixture has been assessed following the conventional method of the CLP Regulation (EC) No 1272/2008 and is classified for toxicological properties accordingly. See Sections 2 and 3 for details.

Exposure to component solvent vapor concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness.

Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin.

If splashed in the eyes, the liquid may cause irritation and reversible damage.

Ingestion may cause nausea, diarrhea and vomiting.

This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Contains Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate. May produce an allergic reaction.

### Section 12. Ecological information

#### **Toxicity**

Product/ingredient name	Result	Species	Exposure
r butyl acetate ethylbenzene	Acute LC50 18 mg/l Acute LC50 150 to 200 mg/l Fresh water	Fish Fish	96 hours 96 hours

#### Persistence/degradability

### Section 12. Ecological information

Product/ingredient name	Test	Result		Dose	Inoculum
n-butyl acetate	TEPA and OECD 301D	83 % - Readily - 28	days	-	-
Product/ingredient name	Aquatic half-life		Photolysi	s	Biodegradability
₩ylene n-butyl acetate ethylbenzene toluene	- - -		- - -		Readily Readily Readily Readily

#### **Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
<b>x</b> ylene	3.16	7.4 to 18.5	low
n-butyl acetate	1.78	-	low
ethylbenzene	3.15	79.43	low
toluene	2.73	8.32	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

internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.	Disposal methods	
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### Section 14. Transport information

### Section 14. Transport information

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

#### Additional information

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

: 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.

### Section 15. Regulatory information

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

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

None of the components are listed.

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

Ingredient name		Status	
Ethylene Oxide		Listed	
Law No. 74/2001 -	: Not determined		

Chemicals that may be used

### Section 16. Other information

<u>History</u>	
Date of issue/Date of revision	: 7 May 2020
Date of previous issue	: 2/27/2020
Version	: 5
Prepared by	: EHS

Product code 00386852 Product name SIGMADUR 550 BASE GREEN 4150 Version 5

### Section 16. Other information

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	Key to abbreviations	: ADN = European Provisions concerning the International Carriage of Dangerous
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RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail		
by Rail		
<b>,</b>		RID = The Regulations concerning the International Carriage of Dangerous Goods
UN = United Nations		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.