# **SAFETY DATA SHEET**



### Conforms to Official Mexican Standard NOM-018-STPS-2015

Date of revision 11 July 2023

Version 8

Date of issue 11 July 2023

# SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product name	: SIGMASHIELD 1090 HARDENER
Product code	: 00140795
Other means of identification	: Not applicable.
Product type	: Liquid.
Relevant identified uses of	f the substance or mixture and uses advised against
Product use	: Professional applications, Used by spraying.
Use of the substance/ mixture	: Coating.
Uses advised against	Not applicable.
Manufacturer	: PPG Industries, Inc. One PPG Place Pittsburgh, PA 15272
Emergency telephone number	: (412) 434-4515 (U.S.) (514) 645-1320 (Canada) SETIQ Interior de la República: 800-00-214-00 (México) SETIQ Ciudad de México: (55) 5559-1588 (México)
Technical Phone Number	: 888-977-4762

# **SECTION 2: Hazards identification**

Classification of the substance or mixture	<ul> <li>ACUTE TOXICITY (oral) - Category 4         <ul> <li>ACUTE TOXICITY (dermal) - Category 5</li> <li>SKIN CORROSION - Category 1</li> <li>SERIOUS EYE DAMAGE - Category 1</li> <li>SKIN SENSITIZATION - Category 1</li> <li>TOXIC TO REPRODUCTION - Category 2</li> <li>SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1</li> <li>Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 35.4%</li> </ul> </li> </ul>
GHS label elements	
Hazard pictograms	
Signal word	: Danger
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### **SECTION 2: Hazards identification**

Hazard statements	<ul> <li>H302 - Harmful if swallowed.</li> <li>H313 - May be harmful in contact with skin.</li> <li>H314 - Causes severe skin burns and eye damage.</li> <li>H317 - May cause an allergic skin reaction.</li> <li>H361 - Suspected of damaging fertility or the unborn child.</li> <li>H372 - Causes damage to organs through prolonged or repeated exposure. (respiratory tract)</li> </ul>	
Precautionary statements		
Prevention	<ul> <li>P201 - Obtain special instructions before use.</li> <li>P202 - Do not handle until all safety precautions have been read and understood.</li> <li>P280 - Wear protective gloves, protective clothing and eye or face protection.</li> <li>P260 - Do not breathe vapor.</li> <li>P270 - Do not eat, drink or smoke when using this product.</li> <li>P264 - Wash thoroughly after handling.</li> <li>P272 - Contaminated work clothing should not be allowed out of the workplace.</li> </ul>	
Response	<ul> <li>P308 + P313 - IF exposed or concerned: Get medical advice or attention.</li> <li>P304 + P340, P310 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor.</li> <li>P301 + P310, P330, P331 - IF SWALLOWED: Immediately call a POISON CENTER or doctor. Rinse mouth. Do NOT induce vomiting.</li> <li>P303 + P361 + P353, P310 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Immediately call a POISON CENTER or doctor.</li> <li>P363 - Wash contaminated clothing before reuse.</li> <li>P302 + P312, P352 - IF ON SKIN: Call a POISON CENTER or doctor if you feel unwell. Wash with plenty of water.</li> <li>P333 + P313 - If skin irritation or rash occurs: Get medical advice or attention.</li> <li>P305 + P351 + P338, P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.</li> </ul>	
Storage	: P405 - Store locked up.	
Disposal	: P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.	
Other hazards which do not result in classification	: Emits toxic fumes when heated.	
See toxicological information (Section 11)		

See toxicological information (Section 11)

# **SECTION 3: Composition/information on ingredients**

Substance/mixture	: Mixture
Product name	: SIGMASHIELD 1090 HARDENER
Other means of identification	: Not applicable.

Ingredient name	%	CAS number
β-aminomethyl-3,5,5-trimethylcyclohexylamine Poly[oxy(methyl-1,2-ethanediyl)], α-(2-aminomethylethyl)-ω- (2-aminomethylethoxy)-	≥20 - ≤50 ≥20 - ≤48	2855-13-2 9046-10-0 (n = 2-6)
2-piperazin-1-ylethylamine	≥5.0 - ≤10	140-31-8

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

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# **SECTION 3: Composition/information on ingredients**

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.

# SECTION 4: First aid measures

#### Description of necessary first aid measures

Eye contact	<ul> <li>Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.</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	<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	: 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	<u>effects</u>
Eye contact	: Causes serious eye damage.
Inhalation	: No known significant effects or critical hazards.
Skin contact	: Causes severe burns. May be harmful in contact with skin. May cause an allergic skin reaction.
Ingestion	: Harmful if swallowed.
ingestion	

Over-exposure signs/symptoms

See toxicological information (Section 11)

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

Notes to physician	<ul> <li>In case of inhalation of decomposition products in a fire, symptoms may be delayed.</li></ul>
Specific treatments	The exposed person may need to be kept under medical surveillance for 48 hours. <li>No specific treatment.</li>
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.

# **SECTION 5: Firefighting 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.

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### **SECTION 5: Firefighting measures**

Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon oxides nitrogen oxides
Special protective actions for fire-fighters	<ul> <li>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.</li> </ul>
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, 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. Do not breathe 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. 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**

<ul> <li>Protective measures</li> <li>Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. 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</li> </ul>	Precautions for safe handlin	ng
breathe vapor or mist. Do not ingest. 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	Protective measures	history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. 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. 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

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### **SECTION 7: Handling and storage**

Conditions for safe storage, including any incompatibilities	:	Store between the following temperatures: 5 to 35°C (41 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.
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.
Special precautions	:	If this material is part of a multiple component system, read the Safety Data Sheet(s) for the other component or components before blending as the resulting mixture may have the hazards of all of its parts.
		residue and can be hazardous. Do not reuse container.

# **SECTION 8: Exposure controls/personal protection**

#### **Control parameters**

С

IPEL

#### **Occupational exposure limits**

= Ceiling Limit

Ingredient name	Exposure limits	
<ul> <li>Jaminomethyl-3,5,5-trimethylcyclohexylamine</li> <li>Poly[oxy(methyl-1,2-ethanediyl)], α-(2-aminomethylethyl)-ω-</li> <li>(2-aminomethylethoxy)-</li> <li>2-piperazin-1-ylethylamine</li> </ul>	None. None. None.	

Key to abbreviations

STEL = Short term exposure limit

TLV = Threshold Limit Value

TWA = Time Weighted Average

#### Consult local authorities for acceptable exposure limits.

= Internal Permissible Exposure Limit

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Eye/face protection	1	Chemical splash goggles and face shield.
		Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
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.
Individual protection measure	es	
controls	ļ	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.
Environmental exposure	÷	Emissions from ventilation or work process equipment should be checked to ensure
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.
Recommended monitoring procedures	:	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.

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# **SECTION 8: Exposure controls/personal protection**

Skin protection		
Hand protection	: Chemical-resistant, impervious gloves complying with an approved standard shou 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.	es
Gloves	: butyl rubber	
Body protection	: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.	
Other skin protection	: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.	
Respiratory protection	: Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this necessary.	is

# **SECTION 9: Physical and chemical properties**

#### **Appearance**

Appearance			
Physical state	1	Liquid.	
Color	:	Colorless.	
Odor	1	Amine-like. [Strong]	
Odor threshold	1	Not available.	
Molecular weight	1	Not applicable.	
рН	4	Not applicable.	
Melting point	1	Not available.	
Boiling point	:	>37.78°C (>100°F)	
Flash point	:	Closed cup: 162°C (323.6°F)	
Auto-ignition temperature	1	265°C (509°F)	
Decomposition temperature	:	Not available.	
Flammability	1	Not available.	
Lower and upper explosive (flammable) limits	1	Not available.	
Evaporation rate	1	Not available.	
Vapor pressure	:	Not available.	
Vapor density	1	Not available.	
Relative density	:	0.95	
Density(lbs / gal)	:	7.93	
		Media Res	sult
Solubility(ies)	1	old water Not	t soluble
Solubility in water	:	Not available.	
Partition coefficient: n- octanol/water	:	Not applicable.	

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# **SECTION 9: Physical and chemical properties**

Viscosity	: Kinematic (40°C (104°F)): <14 mm²/s (<14 cSt)
Volatility	: ♬3% (v/v), 53.964% (w/w)
% Solid. (w/w)	: #6.036

## **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	<ul> <li>When exposed to high temperatures may produce hazardous decomposition products.</li> <li>Refer to protective measures listed in sections 7 and 8.</li> </ul>
Incompatible materials	: Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkalis, strong acids.
Hazardous decomposition products	<ul> <li>Depending on conditions, decomposition products may include the following materia carbon oxides nitrogen oxides</li> </ul>

# **SECTION 11: Toxicological information**

### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
- 3-aminomethyl- 3,5,5-trimethylcyclohexylamine	LC50 Inhalation Dusts and mists	Rat	>5.01 mg/l	4 hours
	LD50 Dermal	Rat	>2000 mg/kg	-
	LD50 Oral	Rat	1030 mg/kg	-
Poly[oxy(methyl- 1,2-ethanediyl)], α- (2-aminomethylethyl)-ω- (2-aminomethylethoxy)-	LD50 Dermal	Rat	2980 mg/kg	-
	LD50 Oral	Rat	2885 mg/kg	-
2-piperazin-1-ylethylamine	LC50 Inhalation Dusts and mists	Rat	>5 mg/l	4 hours
	LD50 Dermal	Rabbit	866 mg/kg	-
	LD50 Oral	Rat	2140 mg/kg	-

Irritation/Corrosion

**Conclusion/Summary** 

: There are no data available on the mixture itself.

- : There are no data available on the mixture itself.
- Eyes Respiratory
- **Sensitization**

Skin

- : There are no data available on the mixture itself.
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# **SECTION 11: Toxicological information**

Product/ingredient name	Route of exposure	Species	Result			
3-aminomethyl- 3,5,5-trimethylcyclohexylamine	skin	Guinea pig	Sensitizing			
2-piperazin-1-ylethylamine	skin	Guinea pig	Sensitizing			
Conclusion/Summary						
Skin	: There are no da	ata available on the mixture itsel	f.			
Respiratory	: There are no da	ata available on the mixture itsel	f.			
<u>Mutagenicity</u>						
<b>Conclusion/Summary</b>	: There are no da	ata available on the mixture itsel	f.			
Carcinogenicity						
<b>Conclusion/Summary</b>	: There are no da	ata available on the mixture itsel	f.			
Reproductive toxicity						
<b>Conclusion/Summary</b>	: There are no da	ata available on the mixture itsel	f.			
Teratogenicity						
<b>Conclusion/Summary</b>	: There are no da	ata available on the mixture itsel	f.			
Specific target organ toxicity	<u>y (single exposure</u>	<u>e)</u>				
Not available.						

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

Name		Route of exposure	Target organs
2-piperazin-1-ylethylamine	Category 1	inhalation	respiratory tract

<u>Target organs</u> : Contains material which causes damage to the following organs: upper respiratory tract.

#### Aspiration hazard

Not available.

#### Information on the likely routes of exposure

#### Potential acute health effects

Eye contact	: Causes serious eye damage.
Inhalation	: No known significant effects or critical hazards.
Skin contact	: Causes severe burns. May be harmful in contact with skin. May cause an allergic skin reaction.
Ingestion	: Harmful if swallowed.
Over-exposure signs/sympt	toms
Eye contact	: Adverse symptoms may include the following: pain watering redness
Inhalation	: Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations

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Skin contact	dverse symptoms may include the following: ain or irritation edness listering may occur educed fetal weight icrease in fetal deaths keletal malformations	
Ingestion	dverse symptoms may include the following: tomach pains educed fetal weight icrease in fetal deaths keletal malformations	
Delayed and immediate effe	d also chronic effects from short and long term exposure	
Conclusion/Summary	nere are no data available on the mixture itself. If splashed in the ay cause irritation and reversible damage. Ingestion may cause nd vomiting. This takes into account, where known, delayed and nd also chronic effects of components from short-term and long-t al, inhalation and dermal routes of exposure and eye contact.	nausea, diarrhea immediate effects
Short term exposure		
Potential immediate effects	nere are no data available on the mixture itself.	
Potential delayed effects	nere are no data available on the mixture itself.	
<u>Long term exposure</u>		
Potential immediate effects	nere are no data available on the mixture itself.	
Potential delayed effects	nere are no data available on the mixture itself.	
Potential chronic health effe		
General	causes damage to organs through prolonged or repeated exposu ensitized, a severe allergic reaction may occur when subsequent ow levels.	
Carcinogenicity	lo known significant effects or critical hazards.	
Mutagenicity	lo known significant effects or critical hazards.	
Reproductive toxicity	uspected of damaging fertility or the unborn child.	
Numerical measures of toxi		
Acute toxicity estimates		

### 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)
SIGMASHIELD 1090 HARDENER	1891.3	2759.4	N/A	N/A	N/A
3-aminomethyl-3,5,5-trimethylcyclohexylamine	1030	2500	N/A	N/A	N/A
Poly[oxy(methyl-1,2-ethanediyl)], α- (2-aminomethylethyl)-ω-(2-aminomethylethoxy)-	2885	2980	N/A	N/A	N/A
2-piperazin-1-ylethylamine	2140	866	N/A	N/A	N/A

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### **SECTION 12: Ecological information**

#### **Toxicity**

Product/ingredient name	Result	Species	Exposure
Poly[oxy(methyl- 1,2-ethanediyl)], α- (2-aminomethylethyl)-ω- (2-aminomethylethoxy)-	EC50 15 mg/l	Algae	72 hours
2-piperazin-1-ylethylamine	Acute EC50 58 mg/l	Daphnia	48 hours

#### Persistence and degradability

Product/ingredient name	Test	Result		Dose	Inoculum
P-piperazin-1-ylethylamine	OECD 301F	0 % - Not readily	- 28 days	-	-
Product/ingredient name	Aquatic half-lif	e	Photoly	sis	Biodegradability
Poly[oxy(methyl- 1,2-ethanediyl)], α- (2-aminomethylethyl)-ω- (2-aminomethylethoxy)-	-		-		Not readily
2-piperazin-1-ylethylamine	-		-		Not readily

#### **Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
<b>3</b> -aminomethyl- 3,5,5-trimethylcyclohexylamine	0.99	-	Low
	-1.48	-	Low

#### 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.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees. Section 6. Accidental release measures

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### **SECTION 14: Transport information**

	Mexico Classification	IMDG	ΙΑΤΑ
UN number	UN3066	UN3066	UN3066
UN proper shipping name	PAINT	PAINT	PAINT
Transport hazard class(es)	8	8	8
Packing group	II	I	II
Environmental hazards	No.	No.	No.
Marine pollutant substances	Not applicable.	Not applicable.	Not applicable.

#### Additional information

Mexico	: None identified.	
IMDG	: None identified.	
ΙΑΤΑ	: 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.

Transport in bulk according : Not applicable. to IMO instruments

### **SECTION 15: Regulatory information**

#### **Mexico**

Classification

Flammability : 1 Health : 3 Reactivity : 1

#### International regulations

**Montreal Protocol** 

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC) Not listed.

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### **SECTION 16: Other information**

Hazardous Material Information System (U.S.A.)

Health : 3 \* Flammability : 1 Physical hazards : 1 (\*) - Chronic

#### effects

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

Date of previous issue	: 2/1/2022
Organization that prepared the SDS	: EHS
Key to abbreviations	<ul> <li>ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = International Air Transport Association IBC = 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) N/A = Not available SGG = Segregation Group UN = United Nations</li> </ul>

#### Indicates information that has changed from previously issued version.

#### Notice to reader

The information, which is based on the current knowledge of the chemical substance or mixture and applies to appropriate safety precautions for the product, is deemed correct but is not exhaustive and will be used only as a guide.

#### **Disclaimer**

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.