SAFETY DATA SHEET



Date of issue/Date of revision 5 August 2024 Version 2.02

Section 1. Identification		
Product name	: SIGMALINE 2500 HARDENER	
Product code	: 000001021601	
Other means of identification	: 00195815; 00319119; 00429679	
Product type	: Liquid.	
Relevant identified uses of	the substance or mixture and uses advised against	
Product use	: Professional applications, Used by spraying.	
Use of the substance/ mixture	: Hardener.	
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

OSHA/HCS status	: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Classification of the substance or mixture	: ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 SKIN CORROSION - Category 1 SERIOUS EYE DAMAGE - Category 1 SKIN SENSITIZATION - Category 1 TOXIC TO REPRODUCTION - Category 2
	Percentage of the mixture consisting of ingredient(s) of unknown acute toxicity: 61.3% (dermal), 66.7% (inhalation)
GHS label elements	
Hazard pictograms	
Signal word	: Danger
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Product name SIGMALINE 2500 HARDENER

Section 2. Hazards identification

Hazard statements	 Harmful if swallowed or if inhaled. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child.
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. Use only outdoors or in a well-ventilated area. Avoid breathing vapor. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace.
Response	: IF exposed or concerned: Get medical advice or attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor. IF SWALLOWED: Immediately call a POISON CENTER or doctor. Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Immediately call a POISON CENTER or doctor. Wash contaminated clothing before reuse. IF ON SKIN: 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. Immediately call a POISON CENTER or doctor.
Storage	: Store locked up.
Disposal	: Dispose of contents and container in accordance with all local, regional, national and international regulations.
Supplemental label elements	: Do not taste or swallow. Trimethoxysilanes are capable of forming methanol if hydrolyzed or ingested. If swallowed, methanol may be harmful or fatal or cause blindness. 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. This product either contains formaldehyde or is capable of releasing formaldehyde above 0.5 ppm under certain conditions. Formaldehyde is a known cancer hazard, a skin sensitizer and a respiratory sensitizer. Wash thoroughly after handling. Emits toxic fumes when heated.
Hazards not otherwise classified	: Causes digestive tract burns.

Section 3. Composition/information on ingredients

Substance/mixture	1	Mixture
Product name	1	SIGMALINE 2500 HARDENER
Other means of identification	:	00195815; 00319119; 00429679

Ingredient name	%	CAS number
bicyclo[2.2.1]heptanebis(methylamine)	≥50 - ≤75	56602-77-8
benzyl alcohol	≥20 - ≤33	100-51-6
Formaldehyde, polymer with N,N-dimethyl-1,3-propanediamine and phenol	≥1.0 - ≤5.0	445498-00-0
salicylic acid	≥1.0 - ≤5.0	69-72-7
N-(3-(trimethoxysilyl)propyl)ethylenediamine	≥1.0 - ≤3.8	1760-24-3
2,4,6-tris(dimethylaminomethyl)phenol	≤1.6	90-72-2

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Section 3. Composition/information on ingredients

SUB codes represent substances without registered CAS Numbers.

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

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

If ingestion, irritation, any type of overexposure or symptoms of overexposure occur during or persists after use of this product, contact a POISON CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN immediately; have Safety Data Sheet information available. Never give anything by mouth to an unconscious or convulsing person.

Description of necessary first aid measures

Eye contact	: 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.
Inhalation	 Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
Skin contact	 Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.
Ingestion	 If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do NOT induce vomiting.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact	: Causes serious eye damage.
Inhalation	: Harmful if inhaled.
Skin contact	: Causes severe burns. May cause an allergic skin reaction.
Ingestion	: Harmful if swallowed. Corrosive to the digestive tract. Causes burns.
Over-exposure signs/sympto	oms
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
Skin contact	: Adverse symptoms may include the following: pain or irritation redness blistering may occur reduced fetal weight increase in fetal deaths skeletal malformations

Product name SIGMALINE 2500 HARDENER

Section 4. First aid measures

stomach pains
reduced fetal weight
increase in fetal deaths
skeletal malformations

indication of ininediate med	alcar altention and special treatment needed, in necessary
Notes to physician	 In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
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. 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. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back.
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon oxides nitrogen oxides 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	: 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, pre	otective 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.

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Section 6. Accidental release measures

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	ont	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.
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

Protective measures	: 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 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.
Special precautions	: Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Vapors are heavier than air and may spread along floors. 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.
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.

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Section 7. Handling and storage

Conditions for safe storage,	: Store between the following temperatures: 0 to 35°C (32 to 95°F). Store in accordance
including any	with local regulations. Store in original container protected from direct sunlight in a dry,
incompatibilities	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.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
bicyclo[2.2.1]heptanebis(methylamine)	None.
benzyl alcohol	IPEL (-).
, ,	TWA: 5 ppm
	STEL: 10 ppm
Formaldehyde, polymer with N,N-dimethyl-1,3-propanediamine and	None.
phenol	None.
salicylic acid	None.
N-(3-(trimethoxysilyl)propyl)ethylenediamine	None.
2,4,6-tris(dimethylaminomethyl)phenol	None.
Key to abbreviations	
A = Acceptable Maximum Peak	S = Potential skin absorption
CGIH = American Conference of Governmental Industrial Hygienists.	SR = Respiratory sensitization
C = Ceiling Limit	SS = Skin sensitization
F = Fume	STEL = Short term Exposure limit values
IPEL = Internal Permissible Exposure Limit	TD = Total dust
DSHA = Occupational Safety and Health Administration.	TLV = Threshold Limit Value
R = Respirable	TWA = Time Weighted Average
Z = OSHA 29 CFR 1910.1200 Subpart Z - Toxic and Hazardous Substances	
onsult local authorities for acceptable exposure limits.	
	priate monitoring standards. Reference to national r the determination of hazardous substances will

Appropriate engineering	: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or
controls	other engineering controls to keep worker exposure to airborne contaminants below any
	recommended or statutory limits.
Environmental exposure	: Emissions from ventilation or work process equipment should be checked to ensure
controls	they comply with the requirements of environmental protection legislation. In some

they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

: Wash hands, forearms and face thoroughly after handling chemical products, before **Hygiene measures** eating, smoking and using the lavatory and at the end of the working period. 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.

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Section 8. Exposure controls/personal protection

Eye/face protection	: Chemical splash goggles and face shield.
Skin protection	
Hand protection	: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
Gloves	: 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 is necessary. The respiratory protection shall be in accordance to 29 CFR 1910.134.

Section 9. Physical and chemical properties

Appearance

Appearance	
Physical state	Liquid.
Color	⊘ lear.
Odor	Amine-like. [Strong]
Odor threshold	Not available.
рН	Not applicable.
Melting point	Not available.
Boiling point	>37.78°C (>100°F)
Flash point	Closed cup: 118°C (244.4°F)
Auto-ignition temperature	430°C (806°F)
Decomposition temperature	Not available.
Flammability	Not available.
Lower and upper explosive (flammable) limits	Not available.
Evaporation rate	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	1.03
Density(lbs / gal)	8.6

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Section 9. Physical and chemical properties

	Media	Result
Solubility(ies)	cold water	Not soluble
Partition coefficient: n- octanol/water	: Not applicable.	
Viscosity	: Kinematic (40°C (104	·°F)): >21 mm²/s (>21 cSt)
Volatility	: 58% (v/v), 56.256% (v	w/w)
% Solid. (w/w)	: 43.744	

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. Refer to protective measures listed in sections 7 and 8.
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 nitrogen oxides Formaldehyde. metal oxide/oxides

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
bicyclo[2.2.1]heptanebis	LD50 Oral	Rat	961 to 1400 mg/	-
(methylamine)			kg	
benzyl alcohol	LC50 Inhalation Dusts and mists	Rat	>4178 mg/m ³	4 hours
-	LD50 Dermal	Rabbit	2000 mg/kg	-
	LD50 Oral	Rat	1.23 g/kg	-
salicylic acid	LD50 Oral	Rat	0.891 g/kg	-
N-(3-(trimethoxysilyl)propyl) ethylenediamine	LD50 Dermal	Rabbit	>2000 mg/kg	-
	LD50 Oral	Rat	2413 mg/kg	-
2,4,6-tris	LD50 Dermal	Rat	1280 mg/kg	-
(dimethylaminomethyl)phenol				
	LD50 Oral	Rat	1200 mg/kg	-

Conclusion/Summary

: There are no data available on the mixture itself.

Irritation/Corrosion

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Section 11. Toxicological information

Conclusion/Summary				
Skin	: There are no data avai	lable on the mixture itse	lf.	
Eyes	: There are no data avai	lable on the mixture itse	lf.	
Respiratory	: There are no data avai	lable on the mixture itse	lf.	
Sensitization				
Conclusion/Summary				
Skin	: There are no data avai	lable on the mixture itse	lf.	
Respiratory	: There are no data avai	lable on the mixture itse	lf.	
Mutagenicity				
Conclusion/Summary	: There are no data avai	lable on the mixture itse	lf.	
Carcinogenicity				
Conclusion/Summary	: There are no data avai	lable on the mixture itse	lf.	
Reproductive toxicity				
Conclusion/Summary	: There are no data avail	able on the mixture itsel	f.	
Teratogenicity				
Conclusion/Summary	: There are no data avail	able on the mixture itsel	f.	
Specific target organ toxic	<u>city (single exposure)</u>			
Name		Category	Route of	Target organs

Name		Route of exposure	Target organs
N-(3-(trimethoxysilyl)propyl)ethylenediamine	Category 3	-	Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

Not available.

Target organs

- : Contains material which causes damage to the following organs: blood, liver, heart, brain.
 - Contains material which may cause damage to the following organs: kidneys, gastrointestinal tract, upper respiratory tract, skin, eyes, central nervous system (CNS).

Aspiration hazard

Not available.

Information on the likely routes of exposure

Potential acute health effects

Eye contact Inhalation Skin contact	 Causes serious eye damage. Harmful if inhaled. Causes severe burns. May cause an allergic skin reaction.
Ingestion Over-exposure signs	: Harmful if swallowed. Corrosive to the digestive tract. Causes burns.
Eye contact	: Adverse symptoms may include the following: pain watering redness

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Section 11. Toxicological information

Inhalation	: Adverse symptoms may include the following:
	reduced fetal weight increase in fetal deaths
	skeletal malformations
Skin contact	: Adverse symptoms may include the following:
	pain or irritation
	redness
	blistering may occur
	reduced fetal weight
	increase in fetal deaths
	skeletal malformations
Ingestion	: Adverse symptoms may include the following:
	stomach pains
	reduced fetal weight
	increase in fetal deaths skeletal malformations
Delayed and immediate offer	cts and also chronic effects from short and long term exposure
Conclusion/Summary	: There are no data available on the mixture itself. Trimethoxysilanes are capable of
	Intere drive data drainable on the initiate itself. Initiation of a solution of a s
Short term exposure	
Potential immediate	: There are no data available on the mixture itself.
effects	
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	: Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

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Section 11. Toxicological information

- Carcinogenicity
- : No known significant effects or critical hazards.
- **Mutagenicity**
- : No known significant effects or critical hazards.
- : Suspected of damaging fertility or the unborn child.

Numerical measures of toxicity

Acute toxicity estimates

Reproductive toxicity

Product/ingredient name	Oral (mg/ kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/ I)
SIGMALINE 2500 HARDENER	675.2	2038.5	N/A	N/A	1.5
bicyclo[2.2.1]heptanebis(methylamine)	500	N/A	N/A	N/A	N/A
benzyl alcohol	1230	2000	N/A	N/A	1.5
Formaldehyde, polymer with N,N-dimethyl- 1,3-propanediamine and phenol	500	N/A	N/A	N/A	N/A
salicylic acid	891	N/A	N/A	N/A	N/A
N-(3-(trimethoxysilyl)propyl)ethylenediamine	2413	2500	N/A	N/A	N/A
2,4,6-tris(dimethylaminomethyl)phenol	1200	1280	N/A	N/A	N/A

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
salicylic acid	Acute EC50 1147.57 mg/l Fresh water	Daphnia - <i>Daphnia longispina</i> - Neonate	48 hours
	Chronic NOEC 5.6 mg/l Fresh water	Daphnia - <i>Daphnia magna -</i> Neonate	21 days
N-(3-(trimethoxysilyl)propyl) ethylenediamine	EC50 597 mg/l	Fish	96 hours
2,4,6-tris (dimethylaminomethyl)phenol	Acute LC50 >100 mg/l	Daphnia	48 hours
(Acute LC50 >100 mg/l	Fish	96 hours

Persistence and degradability

Product/ingredient name	Test	Result		Dose		Inoculum
2,4,6-tris (dimethylaminomethyl)phenol	OECD 301D Ready Biodegradability - Closed Bottle Test	4 % - Not re	eadily - 28 days	-		-
Product/ingredient name	Aquatic half-life		Photolysis		Biodeg	radability
benzyl alcohol 2,4,6-tris (dimethylaminomethyl)phenol	-		-		Readily Not read	

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Section 12. Ecological information

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
benzyl alcohol salicylic acid 2,4,6-tris (dimethylaminomethyl)phenol	0.87 2.21 to 2.26 0.219		Low Low Low

Mobility in soil

Soil/water partition coefficient (Koc)

: Not available.

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

14. Transport information

	DOT	IMDG	IATA
UN number	UN3066	UN3066	UN3066
UN proper shipping name	PAINT	PAINT	PAINT
Transport hazard class (es)	8	8	8
Packing group	II		II
Environmental hazards	No.	Yes.	Yes. The environmentally hazardous substance mark is not required.
Marine pollutant substances	Not applicable.	(Formaldehyde, polymer with N,N-dimethyl- 1,3-propanediamine and phenol)	Not applicable.

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14. Transport information

Additional informationDOT: None identified.

- **IMDG** : The marine pollutant mark is not required when transported in sizes of ≤ 5 L or ≤ 5 kg.
 - : The environmentally hazardous substance mark may appear if required by other transportation regulations.

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

United States

ΙΑΤΑ

United States inventory (TSCA 8b) : All components are active or exempted.

SARA 302/304

SARA 304 RQ : Not applicable.

Composition/information on ingredients

No products were found.

SARA 311/312

Classification	: ACUTE TOXICITY (oral) - Category 4
	ACUTE TOXICITY (inhalation) - Category 4
	SKIN CORROSION - Category 1
	SERIOUS EYE DAMAGE - Category 1
	SKIN SENSITIZATION - Category 1
	TOXIC TO REPRODUCTION - Category 2
	HNOC - Corrosive to digestive tract

Composition/information on ingredients

Name	%	Classification	
bicyclo[2.2.1]heptanebis	≥50 - ≤75	ACUTE TOXICITY (oral) - Category 4	
(methylamine)		SKIN CORROSION - Category 1	
		SERIOUS EYE DAMAGE - Category 1	
		HNOC - Corrosive to digestive tract	
benzyl alcohol	≥20 - ≤33	ACUTE TOXICITY (oral) - Category 4	
		ACUTE TOXICITY (dermal) - Category 4	
		ACUTE TOXICITY (inhalation) - Category 4	
		EYE IRRITATION - Category 2A	
Formaldehyde, polymer with N,	≥1.0 - ≤5.0	COMBUSTIBLE DUSTS	
N-dimethyl-1,3-propanediamine and phenol		ACUTE TOXICITY (oral) - Category 4	
salicylic acid	≥1.0 - ≤5.0	COMBUSTIBLE DUSTS	
,		ACUTE TOXICITY (oral) - Category 4	
		SERIOUS EYE DAMAGE - Category 1	
		TOXIC TO REPRODUCTION - Category 2	
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Section 15. Regulatory information

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N-(3-(trimethoxysilyl)propyl)	≥1.0 - ≤3.8	SERIOUS EYE DAMAGE - Category 1
ethylenediamine		SKIN SENSITIZATION - Category 1B
		SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)
		(Respiratory tract irritation) - Category 3
2,4,6-tris(dimethylaminomethyl)	≤1.6	ACUTE TOXICITY (oral) - Category 4
phenol		ACUTE TOXICITY (dermal) - Category 4
		SKIN CORROSION - Category 1C
		SERIOUS EYE DAMAGE - Category 1
		3 7

Additional environmental information is contained on the Environmental Data Sheet for this product, which can be obtained from your PPG representative.

Section 16. Other information

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

Flammability : 1 Physical hazards : Health : 3 0

(*) - 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. Although HMIS® ratings and the associated label are not required on MSDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. 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.

National Fire Protection Association (U.S.A.)

Health : 3 Flamma	bility : 1 Instability : 0
Date of previous issue	: 6/25/2024
Organization that prepared the SDS	: EHS
Key to abbreviations	: ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Internediate Bulk Container 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) N/A = Not available SGG = Segregation Group UN = United Nations

Indicates information that has changed from previously issued version.

Disclaimer

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