# **SAFETY DATA SHEET**



Date of issue/Date of revision6 September 2024Version 5

Section 1. Identification		
Product name	: SIGMA EP 112 MIOCOAT HARDENER	
Product code	: 00251063	
Other means of identification	: Not available.	
Product type	: Liquid.	
Relevant identified uses o	f the substance or mixture and uses advised against	
Product use	: Professional applications, Used by spraying.	
Use of the substance/ mixture	: 🖉oating.; Hardener.	
Uses advised against	: Not applicable.	
Manufacturer Emergency telephone	<ul> <li>PPG Industries, Inc.</li> <li>One PPG Place</li> <li>Pittsburgh, PA 15272</li> <li>: (412) 434-4515 (U.S.)</li> </ul>	
number	(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	<ul> <li>This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).</li> </ul>
Classification of the substance or mixture	<ul> <li>CAMMABLE LIQUIDS - Category 3 ACUTE TOXICITY (inhalation) - Category 4 SKIN CORROSION - Category 1C SERIOUS EYE DAMAGE - 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</li> <li>Fercentage of the mixture consisting of ingredient(s) of unknown acute toxicity: 21.2% (oral), 21.2% (dermal), 56% (inhalation)</li> </ul>
GHS label elements	

**<u>GHS label elements</u>** 

Product name SIGMA EP 112 MIOCOAT HARDENER

# Section 2. Hazards identification

Hazard pictograms	
Signal word	: Danger
Hazard statements	<ul> <li>Fammable liquid and vapor. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Harmful if inhaled. May cause respiratory irritation. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure. (hearing organs)</li> </ul>
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. 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. Use only outdoors or in a well-ventilated area. Do not breathe vapor. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace.
Response	: F 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. 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.
Supplemental label elements	: Do not taste or swallow. 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. Avoid contact with skin and clothing. Wash thoroughly after handling. Emits toxic fumes when heated. DANGER - RAGS, STEEL WOOL OR WASTE SOAKED WITH THIS PRODUCT MAY SPONTANEOUSLY CATCH FIRE IF IMPROPERLY DISCARDED. IMMEDIATELY AFTER EACH USE, PLACE RAGS, STEEL WOOL OR WASTE IN A SEALED WATER-FILLED METAL CONTAINER.
Hazards not otherwise classified	: Causes digestive tract burns. Prolonged or repeated contact may dry skin and cause irritation.

Product name SIGMA EP 112 MIOCOAT HARDENER

### Section 3. Composition/information on ingredients

- Substance/mixture
- : Mixture

Product name

: SIGMA EP 112 MIOCOAT HARDENER

Ingredient name	%	CAS number
♥atty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil	≥20 - ≤29	68082-29-1
fatty acids and triethylenetetramine		
Amides, from C18-unsatd. fatty acid dimers, tall-oil fatty acids and	≥20 - ≤50	68953-09-3
triethylenetetramine, reaction products with bisphenol A-epichlorohydrin		
polymer		
xylene	≥10 - ≤15	1330-20-7
2-methylpropan-1-ol	≥10 - ≤14	78-83-1
benzyl alcohol	≥10 - ≤14	100-51-6
2,4,6-tris(dimethylaminomethyl)phenol	≥1.0 - ≤5.3	90-72-2
ethylbenzene	≥0.10 - ≤2.7	100-41-4
3,6-diazaoctanethylenediamin	≥0.10 - ≤2.5	112-24-3

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	<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	: 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	: 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. May cause respiratory irritation.
Skin contact	: 🖉 auses severe burns. Defatting to the skin. May cause an allergic skin reaction.
Ingestion	: Corrosive to the digestive tract. Causes burns.
Over-exposure signs/	<u>symptoms</u>

### Product name SIGMA EP 112 MIOCOAT HARDENER

### Section 4. First aid measures

Eye contact	: Adverse symptoms may include the following: pain watering redness
Inhalation	: Adverse symptoms may include the following: respiratory tract irritation coughing
Skin contact	: Adverse symptoms may include the following: pain or irritation redness dryness cracking blistering may occur
Ingestion	: Adverse symptoms may include the following: stomach pains
Indication of immediate me	dical 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> <li>The exposed person may need to be kept under medical surveillance for 48 hours.</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

before removing it, or wear gloves.

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. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon oxides nitrogen oxides halogenated compounds
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.

give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water

### Product name SIGMA EP 112 MIOCOAT HARDENER

### Section 5. Fire-fighting measures

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	tive 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. 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		
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	ontainment 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 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. 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. 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 retain product residue and can be hazardous. Do not reuse container.

### Product name SIGMA EP 112 MIOCOAT HARDENER

## Section 7. Handling and storage

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. Materials such as cleaning rags, paper wipes and protective clothing, which are contaminated with the product may spontaneously self-ignite some hours later. To avoid the risks of fires, all contaminated materials should be stored in purpose-built containers or in metal containers with tight-fitting, self-closing lids. Contaminated materials should be removed from the workplace at the end of each working day and be stored outside. 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.
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.

# Section 8. Exposure controls/personal protection

#### **Control parameters**

#### **Occupational exposure limits**

Ingredient name	Exposure limits
Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall- oil fatty acids and triethylenetetramine	None.
Amides, from C18-unsatd. fatty acid dimers, tall-oil fatty acids and triethylenetetramine, reaction products with bisphenol A-epichlorohydrin	None.
polymer xylene	OSHA PEL (United States, 5/2018).
Aylono	[Xylenes]
	TWA: 435 mg/m <sup>3</sup> 8 hours.
	TWA: 100 ppm 8 hours.
	ACGIH TLV (United States, 7/2023). [p-
	xylene and mixtures containing p-xylene]
	Ototoxicant.
	TWA: 20 ppm 8 hours.
2-methylpropan-1-ol	ACGIH TLV (United States, 7/2023).
	TWA: 152 mg/m <sup>3</sup> 8 hours.
	TWA: 50 ppm 8 hours.
	OSHA PEL (United States, 5/2018).
	TWA: 300 mg/m <sup>3</sup> 8 hours.
	TWA: 100 ppm 8 hours.
benzyl alcohol	
	TWA: 5 ppm
	United States Page: 6/17

Product name SIGMA EP 112 MIOCOAT HARDENER

# Section 8. Exposure controls/personal protection

	STEL: 10 ppm
2,4,6-tris(dimethylaminomethyl)phenol	None.
ethylbenzene	ACGIH TLV (United States, 7/2023).
	Ototoxicant.
	TWA: 20 ppm 8 hours.
	OSHA PEL (United States, 5/2018).
	TWA: 435 mg/m <sup>3</sup> 8 hours.
	TWA: 100 ppm 8 hours.
3,6-diazaoctanethylenediamin	IPEL (-). Absorbed through skin.
	TWA: 1 ppm
Key to a	abbreviations
A = Acceptable Maximum Peak	S = Potential skin absorption

A	= Acceptable Maximum Peak	3	= Potential skin absorption
ACGIH	<ul> <li>American Conference of Governmental Industrial Hygienists.</li> </ul>	SR	<ul> <li>Respiratory sensitization</li> </ul>
С	= Ceiling Limit	SS	<ul> <li>Skin sensitization</li> </ul>
F	= Fume	STEL	<ul> <li>Short term Exposure limit values</li> </ul>
IPEL	<ul> <li>Internal Permissible Exposure Limit</li> </ul>	TD	= Total dust
OSHA	<ul> <li>Occupational Safety and Health Administration.</li> </ul>	TLV	= Threshold Limit Value
R	= Respirable	TWA	<ul> <li>Time Weighted Average</li> </ul>

Z = OSHA 29 CFR 1910.1200 Subpart Z - Toxic and Hazardous Substances

#### Consult local authorities for acceptable exposure 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.
Appropriate engineering controls	:	Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. 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 measure	<u>es</u>	
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. 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.
Eye/face protection	1	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.

United States Page: 7/17

Product name SIGMA EP 112 MIOCOAT HARDENER

### Section 8. Exposure controls/personal protection

Gloves	: nitrile neoprene
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. When there is a risk of ignition from static electricity, wear antistatic protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.
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

<u>Appearance</u>					
Physical state	1	Liquid.			
Color	1	Clear.			
Odor	:	Amine-like.			
Odor threshold	1	Not available.			
рН	4	Not applicable.			
Melting point	4	Not available.			
Boiling point	4	>37.78°C (>100°F)			
Flash point	1	Closed cup: 31°C (87.8°F)			
Auto-ignition temperature	1	335°C (635°F)			
Decomposition temperature	1	Not available.			
Flammability	1	Not available.			
Lower and upper explosive (flammable) limits	:	Not available.			
Evaporation rate	1	Not available.			
Vapor pressure	1	Not available.			
Vapor density	1	Not available.			
Relative density	1	0.95			
Density(lbs / gal)	1	7.93			
		Media	Result		
Solubility(ies)		old water	Not soluble		
Partition coefficient: n- octanol/water	:	Not applicable.			
Viscosity	1	Kinematic (40°C (104°F)): >	·21 mm²/s (>21 cSt)		
Volatility	1	35% (v/v), 30.513% (w/w)			
% Solid. (w/w)	:	69.487			

### Product name SIGMA EP 112 MIOCOAT HARDENER

# 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 halogenated compounds

# Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Atty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and	LD50 Dermal	Rat	>2000 mg/kg	-
triethylenetetramine		Dut		
	LD50 Oral	Rat	>2000 mg/kg	-
xylene	LD50 Dermal	Rabbit	1.7 g/kg	-
	LD50 Oral	Rat	4.3 g/kg	-
2-methylpropan-1-ol	LC50 Inhalation Vapor	Rat	24.6 mg/l	4 hours
	LD50 Dermal	Rabbit	2460 mg/kg	-
	LD50 Oral	Rat	2830 mg/kg	-
benzyl alcohol	LC50 Inhalation Dusts and mists	Rat	>4178 mg/m³	4 hours
	LD50 Dermal	Rabbit	2000 mg/kg	-
	LD50 Oral	Rat	1.23 g/kg	-
2,4,6-tris	LD50 Dermal	Rat	1280 mg/kg	-
(dimethylaminomethyl)phenol				
	LD50 Oral	Rat	1200 mg/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	-
3,6-diazaoctanethylenediamin	LD50 Dermal	Rabbit	1465 mg/kg	-
, <b>,</b>	LD50 Oral	Rat	1716 mg/kg	-

Conclusion/Summary

: There are no data available on the mixture itself.

### Irritation/Corrosion

### Product name SIGMA EP 112 MIOCOAT HARDENER

### Section 11. Toxicological information

Product/ingredient name	Result			Species	Score		Exposure	Observation
Atty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine	Eyes - Seve	ere irrita	nt	Rabbit	-		-	-
xylene	Skin - Irritar Skin - Mode		tant	Human Rabbit	-		- 24 hours 500 mg	-
Conclusion/Summary								
Skin	: There are	no data	available	e on the mixt	ure itself.			
Eyes	: There are	no data	available	e on the mixt	ure itself.			
Respiratory	: There are	no data	available	e on the mixt	ure itself.			
Sensitization								
Product/ingredient name	Route of exposure		Species			Resu	ilt	
Atty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine 3,6-diazaoctanethylenediamin	skin skin		Mouse Guinea p	ig		Sens Sens	itizing itizing	
Conclusion/Summary		·				•		
Skin	: There are	no data	available	e on the mixt	ure itself.			
Respiratory	: There are	no data	available	e on the mixt	ure itself.			
<u>Autagenicity</u>								
Conclusion/Summary	: There are	no data	available	e on the mixt	ure itself.			
Carcinogenicity								
Conclusion/Summary	: There are	no data	available	e on the mixt	ure itself.			
<u>Classification</u>								
Product/ingredient name	OSHA	IARC	NTP					
xylene	-	3 2B	-					

NTP: Known to be a human carcinogen; Reasonably anticipated to be a human carcinogen OSHA: + Not listed/not regulated: -

#### **Reproductive toxicity**

<b>Conclusion/Summary</b>	: There are no data available on the mixture itself.
<u>Teratogenicity</u>	
Conclusion/Summary	: There are no data available on the mixture itself.

Specific target organ toxicity (single exposure)

### Product name SIGMA EP 112 MIOCOAT HARDENER

### Section 11. Toxicological information

Name	Category	Route of exposure	Target organs
Amides, from C18-unsatd. fatty acid dimers, tall-oil fatty acids and triethylenetetramine, reaction products with bisphenol A-epichlorohydrin polymer	Category 3	-	Respiratory tract irritation
xylene	Category 3	-	Respiratory tract irritation
2-methylpropan-1-ol	Category 3	-	Respiratory tract irritation
	Category 3		Narcotic effects

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

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

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, lungs, the nervous system, upper respiratory tract, skin, central nervous system (CNS), ears, eye, lens or cornea.

#### Aspiration hazard

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

#### Information on the likely routes of exposure

	United States Deve: 44/47
Ingestion	<ul><li>blistering may occur</li><li>Adverse symptoms may include the following: stomach pains</li></ul>
	pain or irritation redness dryness cracking
Skin contact	respiratory tract irritation coughing : Adverse symptoms may include the following:
Inhalation	pain watering redness : Adverse symptoms may include the following:
Eye contact	: Adverse symptoms may include the following:
Over-exposure signs/sympto	<u>ms</u>
Ingestion	: Corrosive to the digestive tract. Causes burns.
Skin contact	: 🔽 auses severe burns. Defatting to the skin. May cause an allergic skin reaction.
	: Harmful if inhaled. May cause respiratory irritation.
Eye contact	: Causes serious eye damage.
Potential acute health effects	

Product name SIGMA EP 112 MIOCOAT HARDENER

### Section 11. Toxicological information

Delayed and immediate effects and also chronic effects from short and long term exposure

Conclusion/Summary	:	There are no data available on the mixture itself. 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. There is some evidence that repeated exposure to organic solvent vapors in combination with constant loud noise can cause greater hearing loss than expected from exposure to noise alone. 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. Exposure to amine vapor has been reported to cause transient corneal edema described as blue haze, halo effect, foggy or blurred vision for several hours. This condition is typically temporary and does not cause permanent visual effects. When the proper eye protection specified in Section 8 is worn, exposure is significantly reduced and the condition has not been observed.
<u>Short term exposure</u>		
Potential immediate effects	1	There are no data available on the mixture itself.
Potential delayed effects	:	There are no data available on the mixture itself.
Long term exposure		
Potential immediate effects	1	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	ect	<u>s</u>
General	:	May cause damage to organs through prolonged or repeated exposure. Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
Carcinogenicity	1	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

Product/ingredient name	Oral (mg/ kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/ I)
		<u> </u>	United	States	Page: 12/17

### Product name SIGMA EP 112 MIOCOAT HARDENER

# Section 11. Toxicological information

GMA EP 112 MIOCOAT HARDENER	2170.3	2121.5	N/A	30.7	2.2
Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and	2500	2500	N/A	N/A	N/A
triethylenetetramine					
xylene	4300	1700	N/A	11	1.5
2-methylpropan-1-ol	2830	2460	N/A	24.6	N/A
benzyl alcohol	1230	2000	N/A	N/A	1.5
2,4,6-tris(dimethylaminomethyl)phenol	1200	1280	N/A	N/A	N/A
ethylbenzene	3500	17800	N/A	17.8	1.5
3,6-diazaoctanethylenediamin	1716	1465	N/A	N/A	N/A

# Section 12. Ecological information

### **Toxicity**

Product/ingredient name	Result	Species	Exposure
Atty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine	EC10 1.78 mg/l	Algae	72 hours
2-methylpropan-1-ol	Acute EC50 1100 mg/l	Daphnia	48 hours
2,4,6-tris (dimethylaminomethyl)phenol	Acute LC50 >100 mg/l	Daphnia	48 hours
	Acute LC50 >100 mg/l	Fish	96 hours
ethylbenzene	Acute EC50 1.8 mg/l Fresh water	Daphnia	48 hours
-	Chronic NOEC 1 mg/l Fresh water	Daphnia - Ceriodaphnia dubia	-

#### 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 readily - 28 days		-		-
ethylbenzene	-	79 % - Rea	dily - 10 days	-		-
Product/ingredient name	Aquatic half-life		Photolysis		Biodeg	radability
Atty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine	-		-		Not read	dily
xylene benzyl alcohol	-		-		Readily Readily	
2,4,6-tris (dimethylaminomethyl)phenol	-		-		Not read	dily
ethylbenzene	-		-		Readily	

United States Page: 13/17

### Product name SIGMA EP 112 MIOCOAT HARDENER

### Section 12. Ecological information

### **Bioaccumulative potential**

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
<b>x</b> ylene	3.12	7.4 to 18.5	Low
2-methylpropan-1-ol	1	-	Low
benzyl alcohol	0.87	-	Low
2,4,6-tris	0.219	-	Low
(dimethylaminomethyl)phenol			
ethylbenzene	3.6	79.43	Low
3,6-diazaoctanethylenediamin	-1.66 to -1.4	-	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. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with each or unoff and contact with a safe severe.
	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	UN3469	UN3469	UN3469		
UN proper shipping name	PAINT, FLAMMABLE, CORROSIVE	PAINT, FLAMMABLE, CORROSIVE	PAINT, FLAMMABLE, CORROSIVE		
Transport hazard class (es)	3 (8)	3 (8)	3 (8)		
Packing group	Ш	Ш	Ш		
Environmental hazards	No.	Yes.	Yes. The environmentally hazardous substance mark is not required.		
United States Page: 14/					

### Product name SIGMA EP 112 MIOCOAT HARDENER

### 14. Transport information

Marine pollutant substances	Not applicable.	(Polyamide)	Not applicable.		
Product RQ (lbs)	703.71	Not applicable.	Not applicable.		
RQ substances	(xylene, ISOBUTYL ALCOHOL)	Not applicable.	Not applicable.		

### Additional information

DOT	<ul> <li>Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements.</li> </ul>
IMDG	: The marine pollutant mark is not required when transported in sizes of $\leq 5$ L or $\leq 5$ kg.
ΙΑΤΑ	: The environmentally hazardous substance mark may appear if required by other transportation regulations.
Special pred	cautions for user : Transport within user's premises: always transport in closed containers that are

# **pecial 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**

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

: 🗾 AMMABLE LIQUIDS - Category 3
ACUTE TOXICITY (inhalation) - Category 4
SKIN CORROSION - Category 1C
SERIOUS EYE DAMAGE - 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
HNOC - Corrosive to digestive tract
HNOC - Defatting irritant

**Composition/information on ingredients** 

### Product name SIGMA EP 112 MIOCOAT HARDENER

## Section 15. Regulatory information

Patty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine       220 - 529       SKIN IRRITATION - Category 1         Amides, from C18-unsatd. fatty acids and triethylenetetramine, reaction products with bisphenol A-epichlorohydrin polymer       220 - 550       COMBUSTIBLE DUSTS         Areiter Products with bisphenol A-epichlorohydrin polymer       210 - 515       SKIN IRRITATION - Category 2         xylene       210 - 515       FLAMMABLE LIQUIDS - Category 3         ACUTE TOXICITY (dermal) - Category 4       ACUTE TOXICITY (dermal) - Category 4         ACUTE TOXICITY (dermal) - Category 1       SKIN IRRITATION - Category 3         2-methylpropan-1-ol       210 - 514       FLAMMABLE LIQUIDS - Category 3         Benzyl alcohol       210 - 514       SERIOUS EYE DAMAGE - Category 1         benzyl alcohol       210 - 514       Series Coregory 2         Series CIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)       Respiratory tract irritation) - Category 3         SKIN IRRITATION - Category 2       SERIOUS EYE DAMAGE - Category 1         Shin IRRITATION - Category 3       SKIN IRRITATION - Category 4         ACUTE TOXICITY (dermal) - Category 3       SKIN IRRITATION - Category 3         SKIN IRRITATION - Category 4       SERIOUS EYE DAMAGE - Category 1         Series Category 1       SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)         (Respiratory trac			<u>.</u>	
oligómeric reaction products with tall-oil fatty acids and triethylenetetramine Amides, from C18-unsatd, fatty acid dimers, tall-oil fatty acids and triethylenetetramine, reaction products with bisphenol A-epichlorohydrin polymer       ≥20 - ≤50       COMBUSTIBLE DUSTS SKIN IRRITATION - Category 1A         A-epichlorohydrin polymer       ≥10 - ≤15       COMBUSTIBLE DUSTS SKIN SENSITIZATION - Category 2A         xylene       ≥10 - ≤15       FLAMMABLE LQUIDS - Category 3 ACUTE TOXICITY (Inhalation) - Category 4 ACUTE TOXICITY (Inhalation) - Category 4 SKIN IRRITATION - Category 2A         2-methylpropan-1-ol       ≥10 - ≤14       FLAMMABLE LQUIDS - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 2 SYN IRRITATION - Category 2 SERIOUS EYE DAMAGE - Category 1 FLAMMABLE LQUIDS - Category 3 ASPIRATION HAZARD - Category 1 FLAMMABLE LQUIDS - Category 3 SKIN IRRITATION - Category 2 SERIOUS EYE DAMAGE - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 2 SERIOUS EYE DAMAGE - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 HNOC - Defating irritant ACUTE TOXICITY (dermal) - Category 4 ACUTE TOXICITY (inhalation) - Category 4		Name	%	Classification
with tall-oil fatty acids and triethylenetetramine Amides, from C18-unsatd. fatty acid dimers, tall-oil fatty acids and triethylenetetramine, reaction products with bisphenol A-epichlorohydrin polymer       ≥20 - ≤50       COMBUSTIBLE DUSTS SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A         xylene       ≥10 - ≤15       FLAMMABLE LIQUIDS - Category 3 ACUTE TOXICITY (Inhalation) - Category 4 ACUTE TOXICITY (Inhalation) - Category 4 ACUTE TOXICITY (Inhalation) - Category 4 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2 EYE IRRITATION - Category 2 EYE IRRITATION - Category 2 SERIOUS EYE DAMAGE - Category 3 ASPIRATION HAZARD - Category 3 SKIN IRRITATION - Category 3 SFECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SFECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 4 ACUTE TOXICITY (Inhalation) - Category 4 ACUTE TOX			≥20 - ≤29	
triethylenetetramine       ≥20 - ≤50       COMBUSTIBLE DUSTS         and triethylenetetramine,       skiN IRRITATION - Category 2         reaction products with bisphenol       SKIN SENSITIZATION - Category 1B         A-epichlorohydrin polymer       SEID - ≤15       FLAMMABLE LIQUIDS - Category 3         xylene       ≥10 - ≤15       FLAMMABLE LIQUIDS - Category 3         2-methylpropan-1-ol       ≥10 - ≤15       FLAMMABLE LIQUIDS - Category 3         2-methylpropan-1-ol       ≥10 - ≤14       FLAMMABLE LIQUIDS - Category 1         2-methylpropan-1-ol       ≥10 - ≤14       FLAMMABLE LIQUIDS - Category 1         SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)       (Respiratory tract irritation) - Category 4         ACUTE TOXICITY (dermal) - Category 1       SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)         (Respiratory tract irritation) - Category 1       SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)         (Respiratory tract irritation) - Category 1       SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)         (Respiratory tract irritation) - Category 3       SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)         (Respiratory tract irritation) - Category 3       SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)         (Respiratory tract irritation) - Category 3       SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)         (Respiratory tract irritation) - Category 3       SPECIFIC TARGET O				
Amides, from C18-unsatd. fatty acid dimers, tall-oil fatty acids and triethylenetetramine, reaction products with bisphenol A-epichlorohydrin polymer       ≥20 - ≤50       COMBUSTIBLE DUSTS SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A         xylene       ≥10 - ≤15       FLAMMABLE LIQUIDS - Category 3 ACUTE TOXICITY (Grmal) - Category 4 ACUTE TOXICITY (Inhalation) - Category 4 ACUTE TOXICITY (Inhalation) - Category 4 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2 EYE IRRITATION - Category 2 EYE IRRITATION - Category 2 EYE IRRITATION - Category 2 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 3 SKIN IRRITATION - Category 3 SKIN IRRITATION - Category 3 SSPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SKIN IRRITATION - Category 3 SKIN IRRITATION - Category 3 SSPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SFEIOUS EYE DAMAGE - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 HNOC - Defating irritant ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (dermal) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 ACUTE TOXICITY (inhalation) - Category 4				SKIN SENSITIZATION - Category 1A
acid dimers, tall-oil fatty acids       SKIN IRRITATION - Category 2         and triethylenetetramine,       EYE IRRITATION - Category 2A         reaction products with bisphenol       SKIN SENSITIZATION - Category 3         A-epichlorohydrin polymer       SKIN SENSITIZATION - Category 3         xylene       ≥10 - ≤15         FLAMMABLE LIQUIDS - Category 3         ACUTE TOXICITY (dermal) - Category 4         ACUTE TOXICITY (dermal) - Category 4         ACUTE TOXICITY (dermal) - Category 4         ACUTE TOXICITY (Inhalation) - Category 4         SKIN IRRITATION - Category 2         EYE IRRITATION - Category 2         EYE IRRITATION - Category 4         SKIN IRRITATION - Category 2         EYE IRRITATION - Category 2         EYE IRRITATION - Category 2         SERIOUS EYE DAMAGE - Category 1         FLAMMABLE LIQUIDS - Category 3         SKIN IRRITATION - Category 4         ACUTE TOXICITY (Inhalation) - Category 3         SKIN IRRITATION - Category 4         ACUTE TOXICITY (INGLE EXPOSURE)         (Respiratory tract irritation) - Category 3         SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)         (Narotic effects) - Category 3				
and triethylenetetramine,       EYE IRRITATION - Category 2A         reaction products with bisphenol       SKIN SENSITIZATION - Category 1B         A-epichlorohydrin polymer       SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)         xylene       ≥10 - ≤15         FLAMMABLE LIQUIDS - Category 3         ACUTE TOXICITY (inhalation) - Category 4         ACUTE TOXICITY (inhalation) - Category 4         ACUTE TOXICITY (inhalation) - Category 4         SKIN IRRITATION - Category 2A         SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)         (Respiratory tract irritation) - Category 4         SKIN IRRITATION - Category 2A         SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)         (Respiratory tract irritation) - Category 3         SKIN IRRITATION - Category 1         SERIOUS EYE DAMAGE - Category 1         SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)         (Respiratory tract irritation) - Category 3         SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)         (Narcotic effects) - Category 3         SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)         (Narcotic effects) - Category 3         SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)         (Respiratory tract irritation) - Category 3         SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)         (Narcotic effects) - Category 3 </td <td></td> <td></td> <td>≥20 - ≤50</td> <td></td>			≥20 - ≤50	
reaction products with bisphenol       SKIN SENSITIZATION - Čategory 18         A-epichlorohydrin polymer       SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)         xylene       ≥10 - ≤15         FLAMMABLE LIQUIDS - Category 3         ACUTE TOXICITY (dermal) - Category 4         ACUTE TOXICITY (dermal) - Category 4         ACUTE TOXICITY (inhalation) - Category 4         SKIN IRRITATION - Category 2A         SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)         (Respiratory tract irritation) - Category 3         SKIN IRRITATION - Category 2A         SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)         (Respiratory tract irritation) - Category 3         ASPIRATION HAZARD - Category 3         SKIN IRRITATION - Category 3         SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)         (Respiratory tract irritation) - Category 3         SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)         (Respiratory tract irritation) - Category 3         SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)         (Respiratory tract irritation) - Category 4         ACUTE TOXICITY (oral)				
A-epichtöröhydrin polymer       SPECIFIC TARGET ORGAN TÖXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3         xylene       ≥10 - ≤15       FLAMMABLE LIQUIDS - Category 3         ACUTE TOXICITY (inhalation) - Category 4       ACUTE TOXICITY (inhalation) - Category 4         ACUTE TOXICITY (inhalation) - Category 3       SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)         2-methylpropan-1-ol       ≥10 - ≤14       FLAMMABLE LIQUIDS - Category 3         ASPIRATION HAZARD - Category 1       FLAMMABLE LIQUIDS - Category 3         SKIN IRRITATION - Category 2       SERIOUS EYE DAMAGE - Category 1         SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)       (Respiratory tract irritation) - Category 3         SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)       (Respiratory tract irritation) - Category 3         SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)       (Respiratory tract irritation) - Category 3         SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)       (Narcotic effects) - Category 3         benzyl alcohol       ≥10 - ≤14       ACUTE TOXICITY (oral) - Category 4         ACUTE TOXICITY (dermal) - Category 4       ACUTE TOXICITY (dermal) - Category 4         ACUTE TOXICITY (inhalation) - Category 4       ACUTE TOXICITY (inhalation) - Category 4         ACUTE TOXICITY (inhalation) - Category 4       ACUTE TOXICITY (inhalation) - Category 4         ACUTE TOXICITY (oral) - Category 4       ACU				
xylene       ≥10 - ≤15       (Respiratory tract irritation) - Category 3 ACUTE TOXICITY (dermal) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2 EYE IRRITATION - Category 2 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 ASPIRATION HAZARD - Category 1 SKIN IRRITATION - Category 2 SERIOUS EYE DAMAGE - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SFECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 HNOC - Defatting irritant ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 SKIN CORROSION - Category 1 SERIOUS EYE DAMAGE - Category 1 EYE IRRITATION - Category 2 SERIOUS EYE DAMAGE - Category 4 ACUTE TOXICITY (dermal) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 ACUTE TOXICITY - Category 2				
xylene       ≥10 - ≤15       FLAMMABLE LIQUIDS - Category 3 ACUTE TOXICITY (dermal) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2 EYE IRRITATION - Category 2 EYE IRRITATION - Category 3 ASPIRATION HAZARD - Category 1 FLAMMABLE LIQUIDS - Category 1 SERIOUS EYE DAMAGE - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SKIN IRRITATION - Category 3 SERIOUS EYE DAMAGE - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 4 ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 ACUTE TOXICITY (dermal) - Category 4 ACUTE TOXICITY - Category 2 ACUTE TOXICITY - Category 2	4	A-epichlorohydrin polymer		
ACUTE TOXICITY (dermal) - Category 4         ACUTE TOXICITY (inhalation) - Category 4         ACUTE TOXICITY (inhalation) - Category 4         SKIN IRRITATION - Category 2         EYE IRRITATION - Category 2A         SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)         (Respiratory tract irritation) - Category 3         ASPIRATION HAZARD - Category 1         FLAMMABLE LIQUIDS - Category 1         SERIOUS EYE DAMAGE - Category 1         SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)         (Respiratory tract irritation) - Category 3         SKIN IRRITATION - Category 3         SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)         (Respiratory tract irritation) - Category 3         SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)         (Respiratory tract irritation) - Category 3         SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)         (Narcotic effects) - Category 3         HNOC - Defating irritant         benzyl alcohol       ≥10 - ≤14         ACUTE TOXICITY (dermal) - Category 4         ACUTE TOXICITY (inhalation) - Category 4         ACUTE TOXICITY (oral) - Category 4 </td <td></td> <td></td> <td></td> <td></td>				
2-methylpropan-1-ol       ≥10 - ≤14       ACUTE TOXICITY (inhalation) - Category 4 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 3 ASPIRATION HAZARD - Category 3 ASPIRATION HAZARD - Category 3 SKIN IRRITATION - Category 2 SERIOUS EYE DAMAGE - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 4 ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 EYE IRRITATION - Category 4 ACUTE TOXICITY (oral) - Category 4 SKIN CORROSION - Category 1 SERIOUS EYE DAMAGE - Category 1 FLAMMABLE LIQUIDS - Category 2 ACUTE TOXICITY (inhalation) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 SKIN CORROSION - Category 1 SERIOUS EYE DAMAGE - Category 2 ACUTE TOXICITY (inhalation) - Category 4 CARCINOGENICITY - Category 2	1	xylene	≥10 - ≤15	
2-methylpropan-1-ol       ≥10 - ≤14       SKIN IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 ASPIRATION HAZARD - Category 1         2-methylpropan-1-ol       ≥10 - ≤14       FLAMMABLE LIQUIDS - Category 3 SKIN IRRITATION - Category 2 SERIOUS EYE DAMAGE - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 HNOC - Defatting irritant         benzyl alcohol       ≥10 - ≤14       ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 ACUTE TOXICITY (oral) - Category 4 SKIN CORROSION - Category 1 SERIOUS EYE DAMAGE - Category 1 SERIOUS EYE DAMAGE - Category 1 SERIOUS EYE DAMAGE - Category 2 ACUTE TOXICITY (inhalation) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 SKIN CORROSION - Category 1 SERIOUS EYE DAMAGE - Category 1 CARCINOGENICITY - Category 2				
2-methylpropan-1-ol       ≥10 - ≤14       EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 ASPIRATION HAZARD - Category 1 SKIN IRRITATION - Category 2 SERIOUS EYE DAMAGE - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 HNOC - Defatting irritant ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 EYE IRRITATION - Category 4 ACUTE TOXICITY (dermal) - Category 4 SKIN CORROSION - Category 1 SKIN CORROSION - Category 1         ethylbenzene       ≥0.10 - ≤2.7				
2-methylpropan-1-ol       ≥10 - ≤14       SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 ASPIRATION HAZARD - Category 1         2-methylpropan-1-ol       ≥10 - ≤14       FLAMMABLE LIQUIDS - Category 3 SKIN IRRITATION - Category 2 SERIOUS EYE DAMAGE - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 HNOC - Defatting irritant         benzyl alcohol       ≥10 - ≤14       ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (inhaltion) - Category 4 ACUTE TOXICITY (dermal) - Category 4 ACUTE TOXICITY (dermal) - Category 4 SKIN CORROSION - Category 1 SERIOUS EYE DAMAGE - Category 1 SERIOUS EYE DAMAGE - Category 1 CARCINOGENICITY (inhaltion) - Category 4 CARCINOGENICITY - Category 2	1			
2-methylpropan-1-ol       ≥10 - ≤14       (Respiratory tract irritation) - Category 3 ASPIRATION HAZARD - Category 1 FLAMMABLE LIQUIDS - Category 3 SKIN IRRITATION - Category 2 SERIOUS EYE DAMAGE - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 HNOC - Defatting irritant ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (dermal) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 EYE IRRITATION - Category 4 ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 EYE IRRITATION - Category 1 SERIOUS EYE DAMAGE - Category 1 Ethylbenzene         ≥0.10 - ≤2.7       FLAMMABLE LIQUIDS - Category 2 ACUTE TOXICITY (inhalation) - Category 4 CARCINOGENICITY - Category 2				
2-methylpropan-1-ol       ≥10 - ≤14       ÁSPÍRATIÓN HAZARD - Ćategory 1         FLAMMABLE LIQUIDS - Category 3       SKIN IRRITATION - Category 2         SERIOUS EYE DAMAGE - Category 1       SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)         (Respiratory tract irritation) - Category 3       SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)         (Narcotic effects) - Category 3       SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)         (Narcotic effects) - Category 3       HNOC - Defatting irritant         hNOC - Defatting irritant       ACUTE TOXICITY (oral) - Category 4         ACUTE TOXICITY (dermal) - Category 4       ACUTE TOXICITY (inhalation) - Category 4         2,4,6-tris(dimethylaminomethyl)       ≥1.0 - ≤5.3       ACUTE TOXICITY (oral) - Category 4         phenol       ≥0.10 - ≤2.7       FLAMMABLE LIQUIDS - Category 1         ethylbenzene       ≥0.10 - ≤2.7       FLAMMABLE LIQUIDS - Category 2				
2-methylpropan-1-ol       ≥10 - ≤14       FLAMMABLE LIQUIDS - Category 3 SKIN IRRITATION - Category 2 SERIOUS EYE DAMAGE - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 HNOC - Defatting irritant         benzyl alcohol       ≥10 - ≤14       ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (oral) - Category 4 SKIN CORROSION - Category 1 SERIOUS EYE DAMAGE - Category 1 SERIOUS EYE DAMAGE - Category 1 SERIOUS EYE DAMAGE - Category 1 FLAMMABLE LIQUIDS - Category 2 ACUTE TOXICITY (inhalation) - Category 4 CARCINOGENICITY - Category 2				
SKIN IRRITATION - Category 2         SERIOUS EYE DAMAGE - Category 1         SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)         (Respiratory tract irritation) - Category 3         SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)         (Narcotic effects) - Category 3         HNOC - Defatting irritant         ACUTE TOXICITY (oral) - Category 4         ACUTE TOXICITY (inhalation) - Category 4         ACUTE TOXICITY (inhalation) - Category 4         ACUTE TOXICITY (oral) - Category 4         ACUTE TOXICITY (dermal) - Category 4         ACUTE TOXICITY (dermal) - Category 4         SKIN CORROSION - Category 1C         SERIOUS EYE DAMAGE - Category 1         ethylbenzene       ≥0.10 - ≤2.7         FLAMMABLE LIQUIDS - Category 2         ACUTE TOXICITY (inhalation) - Category 4         CARCINOGENICITY - Category 2		0 meethodoxeo a de el	>10 <11	0,
SERIOUS EYE DAMAGE - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 HNOC - Defatting irritant ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (dermal) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 EYE IRRITATION - Category 2A2,4,6-tris(dimethylaminomethyl) phenol≥1.0 - ≤5.34ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (oral) - Category 4 EYE IRRITATION - Category 4 ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (oral) - Category 4 EYE IRRITATION - Category 1 Category 4 ACUTE TOXICITY (dermal) - Category 4 ACUTE TOXICITY (dermal) - Category 4 ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (dermal) - Category 4 SKIN CORROSION - Category 1 Ethylbenzene≥0.10 - ≤2.7FLAMMABLE LIQUIDS - Category 2 ACUTE TOXICITY (inhalation) - Category 4 CARCINOGENICITY - Category 2	1	z-meurypropan-1-0i	210-514	
$   ethylbenzene   \geq 0.10 - \leq 2.7   \\    SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)   (Respiratory tract irritation) - Category 3   SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)   (Narcotic effects) - Category 3   HNOC - Defatting irritant   ACUTE TOXICITY (oral) - Category 4   ACUTE TOXICITY (oral) - Category 4   ACUTE TOXICITY (dermal) - Category 4   ACUTE TOXICITY (inhalation) - Category 4   ACUTE TOXICITY (inhalation) - Category 4   ACUTE TOXICITY (inhalation) - Category 4   ACUTE TOXICITY (oral) - Category 4   ACUTE TOXICITY (oral) - Category 4   SKIN CORROSION - Category 1   SERIOUS EYE DAMAGE - Category 1   CARCINOGENICITY (inhalation) - Category 4   CARCINOGENICITY - Category 2   CARCIN$				
ethylbenzene   ethylbenzenzen   ethylbenzenzenzen   ethylbenzenzenzen   ethylbenzenzenzenzenzenzenzenzenzenzenzenzenze				
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 HNOC - Defatting irritantbenzyl alcohol≥10 - ≤14ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 EYE IRRITATION - Category 2A2,4,6-tris(dimethylaminomethyl) phenol≥1.0 - ≤5.3ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (oral) - Category 4 BERIOUS EYE DAMAGE - Category 1 SERIOUS EYE DAMAGE - Category 1 SERIOUS EYE DAMAGE - Category 2 ACUTE TOXICITY (inhalation) - Category 4 CARCINOGENICITY - Category 2				
benzyl alcohol $\geq 10 - \leq 14$ (Narcotic effects) - Category 3 HNOC - Defatting irritant ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (dermal) - Category 4 EYE IRRITATION - Category 2A2,4,6-tris(dimethylaminomethyl) phenol $\geq 1.0 - \leq 5.3$ ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (dermal) - Category 4 ACUTE TOXICITY (dermal) - Category 4 SKIN CORROSION - Category 1C SERIOUS EYE DAMAGE - Category 1 EIO - $\leq 2.7$ ethylbenzene $\geq 0.10 - \leq 2.7$ FLAMMABLE LIQUIDS - Category 2 ACUTE TOXICITY (inhalation) - Category 4 CARCINOGENICITY - Category 2				
benzyl alcohol $\geq 10 - \leq 14$ HNOC - Defatting irritantbenzyl alcohol $\geq 10 - \leq 14$ ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 EYE IRRITATION - Category 2A2,4,6-tris(dimethylaminomethyl) phenol $\geq 1.0 - \leq 5.3$ ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (oral) - Category 4 SKIN CORROSION - Category 1C SERIOUS EYE DAMAGE - Category 1ethylbenzene $\geq 0.10 - \leq 2.7$ FLAMMABLE LIQUIDS - Category 2 ACUTE TOXICITY (inhalation) - Category 4 CARCINOGENICITY - Category 2				
benzyl alcohol≥10 - ≤14ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 EYE IRRITATION - Category 2A2,4,6-tris(dimethylaminomethyl) phenol≥1.0 - ≤5.3ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (oral) - Category 4 SKIN CORROSION - Category 10 SERIOUS EYE DAMAGE - Category 1ethylbenzene≥0.10 - ≤2.7FLAMMABLE LIQUIDS - Category 2 ACUTE TOXICITY (inhalation) - Category 4 CARCINOGENICITY - Category 2				
ACUTE TOXICITY (dermal) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 EYE IRRITATION - Category 2A2,4,6-tris(dimethylaminomethyl) phenol≥1.0 - ≤5.3ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (dermal) - Category 4 SKIN CORROSION - Category 1C SERIOUS EYE DAMAGE - Category 1ethylbenzene≥0.10 - ≤2.7FLAMMABLE LIQUIDS - Category 2 ACUTE TOXICITY (inhalation) - Category 4 CARCINOGENICITY - Category 2		benzyl alcohol	>10 - <14	
2,4,6-tris(dimethylaminomethyl) phenol≥1.0 - ≤5.3ACUTE TOXICITY (inhalation) - Category 4 EYE IRRITATION - Category 2A ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (dermal) - Category 4 SKIN CORROSION - Category 1C SERIOUS EYE DAMAGE - Category 1 FLAMMABLE LIQUIDS - Category 2 ACUTE TOXICITY (inhalation) - Category 4 CARCINOGENICITY - Category 2				
2,4,6-tris(dimethylaminomethyl)       ≥1.0 - ≤5.3       EYE IRRITATION - Category 2A         ACUTE TOXICITY (oral) - Category 4         ACUTE TOXICITY (dermal) - Category 4         SKIN CORROSION - Category 1C         SERIOUS EYE DAMAGE - Category 1         FLAMMABLE LIQUIDS - Category 2         ACUTE TOXICITY (inhalation) - Category 4				
2,4,6-tris(dimethylaminomethyl)       ≥1.0 - ≤5.3       ACUTE TOXICITY (oral) - Category 4         phenol       ACUTE TOXICITY (dermal) - Category 4         ethylbenzene       ≥0.10 - ≤2.7       SKIN CORROSION - Category 1         FLAMMABLE LIQUIDS - Category 2       ACUTE TOXICITY (inhalation) - Category 4         ACUTE TOXICITY (inhalation) - Category 4				
phenol       ACUTE TOXICITY (dermal) - Category 4         skin CORROSION - Category 1C       SKIN CORROSION - Category 1C         ethylbenzene       ≥0.10 - ≤2.7       FLAMMABLE LIQUIDS - Category 2         ACUTE TOXICITY (inhalation) - Category 4       CARCINOGENICITY - Category 2		2 4 6-tris(dimethylaminomethyl)	>10-<53	
ethylbenzene≥0.10 - ≤2.7SKIN CORROSION - Category 1C SERIOUS EYE DAMAGE - Category 1 FLAMMABLE LIQUIDS - Category 2 ACUTE TOXICITY (inhalation) - Category 4 CARCINOGENICITY - Category 2				
ethylbenzene ≥0.10 - ≤2.7 SERIOUS EYE DAMAGE - Category 1 FLAMMABLE LIQUIDS - Category 2 ACUTE TOXICITY (inhalation) - Category 4 CARCINOGENICITY - Category 2				
ethylbenzene≥0.10 - ≤2.7FLAMMABLE LIQUIDS - Category 2ACUTE TOXICITY (inhalation) - Category 4CARCINOGENICITY - Category 2				
ACUTE TOXICITY (inhalation) - Category 4 CARCINOGENICITY - Category 2		ethylbenzene	≥0.10 - ≤2.7	
CARCINOGENICITY - Category 2		-		
0,				
				SPECIFIC TARGET ORGAN TOXICITY (REPEATED
EXPOSURE) - Category 2				EXPOSURE) - Category 2
ASPIRATION HAZARD - Category 1				
HNOC - Defatting irritant				
3,6-diazaoctanethylenediamin ≥0.10 - ≤2.5 ACUTE TOXICITY (oral) - Category 4		3,6-diazaoctanethylenediamin	≥0.10 - ≤2.5	
ACUTE TOXICITY (dermal) - Category 4		-		
SKIN CORROSION - Category 1				
SERIOUS EYE DAMAGE - Category 1				
SKIN SENSITIZATION - Category 1B				
HNOC - Corrosive to digestive tract				HNOC - Corrosive to digestive tract

#### SARA 313

#### Chemical name

**<u>CAS number</u>** <u>Concentration</u>

United States Page: 16/17

Product name SIGMA EP 112 MIOCOAT HARDENER

### Section 15. Regulatory information

Supplie	er notifi	cation
---------	-----------	--------

: xylene ethylbenzene 1330-20-710 - 30100-41-41 - 5

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

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

#### California Prop. 65

**WARNING**: Cancer - www.P65Warnings.ca.gov.

### Section 16. Other information

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

Health : 3 \* Flammability : 3 Physical hazards : 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 Flammab Date of previous issue Organization that prepared the SDS	ility : 3 Instability : 0 : 5/29/2021 : 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 = 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
Indicates information that k	has changed from providually issued version

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

#### <u>Disclaimer</u>

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.