# **SAFETY DATA SHEET**



Date of issue/Date of revision17 August 2021Version 20

Section 1. Identification		
Product name	: SLOW TOPCOAT HARDENER	
Product code	: MH168	
Other means of identification	: Not available.	
Product type	: Liquid.	
Relevant identified uses of	the substance or mixture and uses advised against	
Product use	: Industrial applications.	
Use of the substance/ mixture	: Coating. Paints. Painting-related materials.	
Uses advised against	: Not applicable.	
Manufacturer <u>Emergency telephone</u> <u>number</u>	<ul> <li>PPG Industries, Inc. One PPG Place, Pittsburgh, PA 15272</li> <li>(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)</li> </ul>	
Technical Phone Number	: 1-800-647-6050	

### 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>FLAMMABLE LIQUIDS - Category 3         ACUTE TOXICITY (inhalation) - Category 4         SKIN IRRITATION - Category 2         EYE IRRITATION - Category 2A         RESPIRATORY SENSITIZATION - Category 1         SKIN SENSITIZATION - Category 1         CARCINOGENICITY - Category 1B         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 (REPEATED EXPOSURE) - Category 2         Fercentage of the mixture consisting of ingredient(s) of unknown acute toxicity: 36.6% (dermal), 28.9% (inhalation)</li></ul>
GHS label elements	

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### Section 2. Hazards identification

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Signal word	: Danger
Hazard statements	<ul> <li>Flammable liquid and vapor. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. May cause drowsiness or dizziness. May cause cancer. May cause damage to organs through prolonged or repeated exposure.</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. Wear respiratory 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	: IF exposed or concerned: Get medical advice or attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell. If experiencing respiratory symptoms: Call a POISON CENTER or doctor. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. 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. If eye irritation persists: Get medical advice or attention.
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	: Moisture-sensitive material. 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. Skin contact to isocyanate monomer may lead to allergic lung reaction. Based on the properties of the isocyanate components and considering toxicological data on similar mixtures, this mixture may cause acute irritation and/or sensitization of the respiratory system, leading to an asthmatic condition, wheezing and tightness of the chest. Sensitized persons may subsequently show asthmatic symptoms when exposed to atmospheric concentrations well below the OEL. Repeated exposure may lead to permanent respiratory disability. Persons with a history of skin sensitization problems or asthma, allergies or chronic or recurrent respiratory disease should not be employed in

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### Section 2. Hazards identification

any process in which this product is used. Avoid contact with skin and clothing. Wash thoroughly after handling. Emits toxic fumes when heated.

#### Hazards not otherwise classified

: Prolonged or repeated contact may dry skin and cause irritation.

### Section 3. Composition/information on ingredients

Substance/mixture	ł
Product name	

: Mixture

: SLOW TOPCOAT HARDENER

Ingredient name	%	CAS number
Hexamethylene diisocyanate, oligomers.	≥20 - ≤26	28182-81-2
Solvent naphtha (petroleum), light aromatic	≥20 - ≤38	64742-95-6
3-Isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate, oligomers	≥10 - ≤20	53880-05-0 (EC
(isocyanurate type)		931-312-3)
1,2,4-trimethylbenzene	≥5.0 - ≤11	95-63-6
2-butoxyethyl acetate	≥1.0 - ≤5.0	112-07-2
n-butyl acetate	≥1.0 - ≤5.0	123-86-4
mesitylene	≥0.10 - ≤2.4	108-67-8
propylbenzene	≥1.0 - ≤5.0	103-65-1
1,2,3-trimethylbenzene	≥1.0 - ≤5.0	526-73-8
4-isocyanatosulphonyltoluene	<1.0	4083-64-1
cumene	<1.0	98-82-8
ethylbenzene	<1.0	100-41-4
3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate	<1.0	4098-71-9

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>Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.</li> </ul>
Inhalation	<ul> <li>Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.</li> </ul>
Skin contact	<ul> <li>Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.</li> </ul>
Ingestion	: If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do NOT induce vomiting.

### Section 4. First aid measures

Most important symptoms/effects, acute and delayed         Potential acute health effects         Eye contact       : Causes serious eye irritation.         Inhalation       : Harmful if inhaled. Can cause central nervous system (CNS) depression. May drowsiness or dizziness. May cause respiratory irritation. May cause allergy or symptoms or breathing difficulties if inhaled.         Skin contact       : Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction ingestion         Over-exposure signs/symptoms       : Can cause central nervous system (CNS) depression.         Over-exposure signs/symptoms       : Adverse symptoms may include the following: pain or irritation watering redness         Inhalation       : Adverse symptoms may include the following: respiratory tract irritation coughing wheezing and breathing difficulties asthma nausea or vomiting hered by the set b	
Eye contact       : Causes serious eye irritation.         Inhalation       : Harmful if inhaled. Can cause central nervous system (CNS) depression. May drowsiness or dizziness. May cause respiratory irritation. May cause allergy of symptoms or breathing difficulties if inhaled.         Skin contact       : Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction ingestion         Skin contact       : Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction ingestion         Over-exposure signs/symptoms       : Can cause central nervous system (CNS) depression.         Over-exposure signs/symptoms       : Can cause central nervous system (CNS) depression.         Over-exposure signs/symptoms       : Can cause central nervous system (CNS) depression.         Over-exposure signs/symptoms       : Can cause central nervous system (CNS) depression.         Over-exposure signs/symptoms       : Can cause central nervous system (CNS) depression.         Over-exposure signs/symptoms       : Can cause central nervous system (CNS) depression.         Inhalation       : Adverse symptoms may include the following: respiratory tract irritation watering redness         Inhalation       : Adverse symptoms may include the following: respiratory tract irritation coughing wheezing and breathing difficulties asthma nausea or vomiting	
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respiratory tract irritation coughing wheezing and breathing difficulties asthma nausea or vomiting	
headache drowsiness/fatigue dizziness/vertigo unconsciousness	
Skin contact : Adverse symptoms may include the following: irritation redness dryness cracking	
Ingestion : No specific data.	
Indication of immediate medical attention and special treatment needed, if necessary	
<b>Notes to physician</b> : In case of inhalation of decomposition products in a fire, symptoms may be del The exposed person may need to be kept under medical surveillance for 48 ho	
Specific treatments : No specific treatment.	
<ul> <li>Protection of first-aiders</li> <li>No action shall be taken involving any personal risk or without suitable training. suspected that fumes are still present, the rescuer should wear an appropriate self-contained breathing apparatus. It may be dangerous to the person providi give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with before removing it, or wear gloves.</li> </ul>	mask or ng aid to

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	: Fammable 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. Runoff to sewer may create fire or explosion hazard.
Hazardous thermal decomposition products	<ul> <li>Decomposition products may include the following materials: carbon oxides nitrogen oxides</li> <li>Cyanate and isocyanate. hydrogen cyanide</li> </ul>
Special protective actions for fire-fighters	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
Special protective equipment for fire-fighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

### Section 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	-	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Environmental precautions	:	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Methods and materials for co	ont	ainment 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.

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### Section 6. Accidental release measures

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.
Special provisions	: Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Place in a suitable container. The contaminated area should be cleaned immediately with a suitable decontaminant. One possible (flammable) decontaminant comprises (by volume): water (45 parts), ethanol or isopropyl alcohol (50 parts) and concentrated (d: 0,880) ammonia solution (5 parts). A non-flammable alternative is sodium carbonate (5 parts) and water (95 parts). Add the same decontaminant to the remnants and let stand for several days until no further reaction in an unsealed container. Once this stage is reached, close container and dispose of according to local regulations (see section 13). Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.

### Section 7. Handling and storage

#### Precautions for safe handling

Protective measures	: Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems or asthma, allergies or chronic or recurrent respiratory disease should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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.
Special precautions	: If this material is part of a multiple component system, read the Safety Data Sheet(s) for the other component or components before blending as the resulting mixture may have the hazards of all of its parts.
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.

### Section 7. Handling and storage

Conditions for safe storage,	: Do not store below the following temperature: 5°C (41°F). Store in accordance with
including any	local regulations. Store in a segregated and approved area. Store in original container
incompatibilities	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.
	Precautions should be taken to minimize exposure to atmospheric humidity or water.
	CO <sub>2</sub> will be formed, which, in closed containers, could result in pressurization.

### Section 8. Exposure controls/personal protection

#### **Control parameters**

#### **Occupational exposure limits**

Ingredient name	Exposure limits
examethylene diisocyanate, oligomers.	IPEL (-).
	TWA: 0.5 mg/m <sup>3</sup>
	STEL: 1 mg/m <sup>3</sup>
Solvent naphtha (petroleum), light aromatic	None.
B-Isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate, oligomers isocyanurate type)	IPEL (-).
	TWA: 0.5 mg/m <sup>3</sup>
	STEL: 1 mg/m <sup>3</sup>
1,2,4-trimethylbenzene	ACGIH TLV (United States, 3/2020).
	TWA: 123 mg/m <sup>3</sup> 8 hours.
	TWA: 25 ppm 8 hours.
2-butoxyethyl acetate	ACGIH TLV (United States, 3/2020).
	TWA: 20 ppm 8 hours.
n-butyl acetate	OSHA PEL (United States, 5/2018).
	TWA: 710 mg/m <sup>3</sup> 8 hours.
	TWA: 150 ppm 8 hours.
	ACGIH TLV (United States, 3/2020).
	STEL: 150 ppm 15 minutes.
	TWA: 50 ppm 8 hours.
mesitylene	ACGIH TLV (United States, 3/2020).
	TWA: 123 mg/m <sup>3</sup> 8 hours.
	TWA: 25 ppm 8 hours.
propylbenzene	None.
1,2,3-trimethylbenzene	ACGIH TLV (United States, 3/2020).
	TWA: 123 mg/m <sup>3</sup> 8 hours.
	TWA: 25 ppm 8 hours.
1-isocyanatosulphonyltoluene	None.
cumene	ACGIH TLV (United States, 3/2020).
	TWA: 50 ppm 8 hours.
	OSHA PEL (United States, 5/2018).
	Absorbed through skin.
	TWA: 245 mg/m <sup>3</sup> 8 hours.
	TWA: 50 ppm 8 hours.
ethylbenzene	ACGIH TLV (United States, 3/2020).
	TWA: 20 ppm 8 hours.

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	re controls/personal pro	otection		
• 3-isocyanatomethyl-3,5,5-tri		OSHA PEL (United States, 5/2018). TWA: 435 mg/m <sup>3</sup> 8 hours. TWA: 100 ppm 8 hours. ACGIH TLV (United States, 3/2020). TWA: 0.005 ppm 8 hours. OSHA PEL (United States, 5/2018). Absorbed through skin. TWA: 5 mg/m <sup>3</sup> , (as CN) 8 hours.		
	Key to abbreviations			
C = Ceiling Limit F = Fume IPEL = Internal Permissible Exp OSHA = Occupational Safety and R = Respirable Z = OSHA 29 CFR 1910.120	<sup>:</sup> Governmental Industrial Hygienists. osure Limit I Health Administration. )0 Subpart Z - Toxic and Hazardous Substances	S= Potential skin absorptionSR= Respiratory sensitizationSS= Skin sensitizationSTEL= Short term Exposure limit valuesTD= Total dustTLV= Threshold Limit ValueTWA= Time Weighted Average		
Consult local authorities for	• •			
Recommended monitoring procedures	the ventilation or other control measur protective equipment. Reference sho	hay be required to determine the effectiveness of res and/or the necessity to use respiratory uld be made to appropriate monitoring standards nents for methods for the determination of		
Appropriate engineering controls	other engineering controls to keep wo recommended or statutory limits. The	se process enclosures, local exhaust ventilation rker exposure to airborne contaminants below ar e engineering controls also need to keep gas, ny lower explosive limits. Use explosion-proof		
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.			
ndividual protection measur	<u>es</u>			
Hygiene measures	eating, smoking and using the lavator Appropriate techniques should be use Contaminated work clothing should no	bughly after handling chemical products, before y and at the end of the working period. ed to remove potentially contaminated clothing. bt be allowed out of the workplace. Wash Ensure that eyewash stations and safety occation.		
Eye/face protection	: Chemical splash goggles.			
Skin protection				
Hand protection	worn at all times when handling chem necessary. Considering the paramete during use that the gloves are still reta noted that the time to breakthrough fo	s complying with an approved standard should be ical products if a risk assessment indicates this is ers specified by the glove manufacturer, check aining their protective properties. It should be or any glove material may be different for different nixtures, consisting of several substances, the e accurately estimated		
		o accuratory countatout		

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### Section 8. Exposure controls/personal protection

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. 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	: Use an air-fed respirator unless a site-specific assessment determines that an air-fed respirator is not necessary, in which case the results of the risk assessment should be utilized to determine whether respiratory protection is necessary and what type of protection is appropriate. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
	The respiratory protection shall be in accordance to 29 CFR 1910.134.
Restrictions on use	: Persons with a history of asthma, allergies or chronic or recurrent respiratory disease should not be employed in any process in which this product is used.

### Section 9. Physical and chemical properties

<u>Appearance</u>	
Physical state	: Liquid.
Color	: Not available.
Odor	: Not available.
Odor threshold	: Not available.
рН	: Not applicable.
Melting point	: Not available.
Boiling point	: >37.78°C (>100°F)
Flash point	: Closed cup: 47.22°C (117°F)
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
Flammability (solid, gas)	: Not available.
Lower and upper explosive (flammable) limits	: Not available.
Evaporation rate	: Not available.
Vapor pressure	: Not available.
Vapor density	: Not available.
Relative density	
Density(lbs / gal)	: 8.35
Solubility	: Insoluble in the following materials: cold water.
Partition coefficient: n- octanol/water	: Not applicable.
Viscosity	: Kinematic (40°C (104°F)): >21 mm²/s (>21 cSt)
Volatility	: ፼0% (v/v), 52.994% (w/w)
% Solid. (w/w)	: #7.006

### 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	: In a fire, hazardous decomposition products may be produced. Refer to protective measures listed in sections 7 and 8.
Incompatible materials	: Keep away from: oxidizing agents, strong alkalis, strong acids, amines, alcohols, water. Uncontrolled exothermic reactions occur with amines and alcohols.
Hazardous decomposition products	: Depending on conditions, decomposition products may include the following materials: Cyanate and isocyanate. carbon oxides nitrogen oxides hydrogen cyanide

### Section 11. Toxicological information

#### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result Species		Dose	Exposure
Hexamethylene diisocyanate, oligomers.	LD50 Dermal	Rabbit	>2000 mg/kg	-
5	LD50 Oral	Rat - Female	>2500 mg/kg	-
Solvent naphtha (petroleum), light aromatic	LD50 Dermal	Rabbit	3.48 g/kg	-
-	LD50 Oral	Rat	8400 mg/kg	-
3-Isocyanatomethyl- 3,5,5-trimethylcyclohexyl isocyanate, oligomers (isocyanurate type)	LC50 Inhalation Dusts and mists	Rat	>5010 mg/m <sup>3</sup>	4 hours
	LD50 Oral	Rat	>14 g/kg	-
1,2,4-trimethylbenzene	LC50 Inhalation Vapor	Rat	18000 mg/m <sup>3</sup>	4 hours
•	LD50 Oral	Rat	5 g/kg	-
2-butoxyethyl acetate	LD50 Dermal	Rabbit	1500 mg/kg	-
	LD50 Oral	Rat	1880 mg/kg	-
n-butyl acetate	LC50 Inhalation Vapor	Rat	>21.1 mg/l	4 hours
-	LC50 Inhalation Vapor	Rat	2000 ppm	4 hours
	LD50 Dermal	Rabbit	>17600 mg/kg	-
	LD50 Oral	Rat	10.768 g/kg	-
mesitylene	LC50 Inhalation Vapor	Rat	24000 mg/m <sup>3</sup>	4 hours
	LD50 Oral	Rat	5000 mg/kg	-
propylbenzene	LD50 Oral	Rat	6040 mg/kg	-
1,2,3-trimethylbenzene	LD50 Oral	Rat	11.4 g/kg	-
4-isocyanatosulphonyltoluene	LD50 Oral	Rat	2234 mg/kg	-
cumene	LC50 Inhalation Vapor	Rat	39000 mg/m³	4 hours
	LD50 Dermal	Rabbit	12.3 g/kg	-
	LD50 Oral	Rat	1400 mg/kg	-
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ethylbenzene	LC50 Inhalation Vapor LD50 Dermal LD50 Oral		oor	Rat Rabbit Rat	17.8 mg/l 17.8 g/kg 3.5 g/kg	4 hours - -
3-isocyanatomethyl- 3,5,5-trimethylcyclohexyl isocyanate		ation Dus	sts and mists	Rat	0.04 mg/l	4 hours
	LD50 Dern LD50 Oral	nal		Rabbit Rat	1060 mg/kg 4825 mg/kg	-
Conclusion/Summary	: There are	e no data	available on th	ne mixture itse	lf.	
rritation/Corrosion						
Conclusion/Summary						
Skin			available on th			
Eyes			available on th			
Respiratory <u>Sensitization</u>	: There are	e no data	available on th	e mixture itse	lf.	
Product/ingredient name	Route of Sp exposure		Species		Result	
Isocyanatomethyl- 3,5,5-trimethylcyclohexyl isocyanate, oligomers (isocyanurate type)	skin		Guinea pig		Sensitizing	
<u>Conclusion/Summary</u> Skin	: There are	e no data	available on th	ne mixture itse	lf.	
Respiratory	: There are	: There are no data available on the mixture itself.				
<u>Mutagenicity</u>						
Conclusion/Summary	: There are no data available on the mixture itself.					
Carcinogenicity						
Conclusion/Summary	: There are no data available on the mixture itself.					
Classification						
Product/ingredient name	OSHA	IARC	NTP			
øumene ethylbenzene	- 2B Reasonably anticipated to be a human carcinogen. - 2B -			nogen.		
Carcinogen Classification	code:					
IARC: 1, 2A, 2B, 3, NTP: Known to be OSHA: + Not listed/not regu	e a human carc	inogen; Re	asonably anticip	ated to be a hum	nan carcinogen	

#### **Reproductive toxicity**

Conclusion/Summary	: There are no data available on the mixture itself.
Teratogenicity	
<b>Conclusion/Summary</b>	: There are no data available on the mixture itself.
Specific target organ toxic	<u>ity (single exposure)</u>

### Section 11. Toxicological information

Name	Category	Route of exposure	Target organs
rexamethylene diisocyanate, oligomers.	Category 3	-	Respiratory tract irritation
Solvent naphtha (petroleum), light aromatic	Category 3	-	Respiratory tract irritation
	Category 3		Narcotic effects
3-Isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate, oligomers (isocyanurate type)	Category 3	-	Respiratory tract irritation
1,2,4-trimethylbenzene	Category 3	-	Respiratory tract irritation
n-butyl acetate	Category 3	-	Narcotic effects
mesitylene	Category 3	-	Respiratory tract irritation
propylbenzene	Category 3	-	Respiratory tract irritation
4-isocyanatosulphonyltoluene	Category 3	-	Respiratory tract irritation
cumene	Category 3	-	Respiratory tract irritation
3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate	Category 3	-	Respiratory tract irritation

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

Name		Route of exposure	Target organs
2-butoxyethyl acetate	Category 2	-	-
cumene	Category 2	-	-
ethylbenzene	Category 2	-	hearing organs

Target organs

: Contains material which causes damage to the following organs: brain, central nervous system (CNS).

Contains material which may cause damage to the following organs: blood, kidneys, lungs, liver, spleen, lymphatic system, upper respiratory tract, skin, bone marrow, eye, lens or cornea.

#### Aspiration hazard

Name	Result
Solvent naphtha (petroleum), light aromatic	ASPIRATION HAZARD - Category 1
propylbenzene	ASPIRATION HAZARD - Category 1
cumene	ASPIRATION HAZARD - Category 1
ethylbenzene	ASPIRATION HAZARD - Category 1

#### Information on the likely routes of exposure

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Skin contact	: Causes skin irrita	tion. Defatting to the skin. May cause an allergic	skin reaction.
		ziness. May cause respiratory irritation. May caus athing difficulties if inhaled.	se allergy or asthma
Inhalation		. Can cause central nervous system (CNS) depre	
Eye contact	: Causes serious e	ye irritation.	
Potential acute health	effects		

Product name SLOW TOPCOAT HARDENER

### Section 11. Toxicological information

Ingestion	: Can cause central nervous system (CNS) depression.
Over-exposure signs/sym	<u>ptoms</u>
Eye contact	: Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	<ul> <li>Adverse symptoms may include the following: respiratory tract irritation coughing wheezing and breathing difficulties asthma nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness</li> </ul>
Skin contact	: Adverse symptoms may include the following: irritation redness dryness cracking
Ingestion	: No specific data.
<u>Delayed and immediate effe</u>	ects and also chronic effects from short and long term exposure
Conclusion/Summary	: There are no data available on the mixture itself. Skin contact to isocyanate monomer may lead to allergic lung reaction. Based on the properties of the isocyanate components and considering toxicological data on similar mixtures, this mixture may cause acute irritation and/or sensitization of the respiratory system, leading to an asthmatic condition, wheezing and tightness of the chest. Repeated exposure may lead to permanent respiratory disability. 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.
Short term exposure Potential immediate	: There are no data available on the mixture itself.
effects	<u></u>
Potential delayed effects	There are no data available on the mixture itself.
Long term exposure Potential immediate effects	: There are no data available on the mixture itself.
	There are no data available on the mixture itself.

Product name SLOW TOPCOAT HARDENER

### Section 11. Toxicological information

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	: May cause 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)
SLOW TOPCOAT HARDENER	6380.6	3015.9	N/A	20.6	2.5
Hexamethylene diisocyanate, oligomers.	2500	2500	N/A	11	1.5
Solvent naphtha (petroleum), light aromatic	8400	3480	N/A	N/A	N/A
1,2,4-trimethylbenzene	5000	N/A	N/A	18	1.5
2-butoxyethyl acetate	1880	1500	N/A	11	1.5
n-butyl acetate	10768	N/A	N/A	N/A	N/A
mesitylene	5000	N/A	N/A	24	N/A
propylbenzene	6040	N/A	N/A	N/A	N/A
1,2,3-trimethylbenzene	11400	N/A	N/A	N/A	N/A
4-isocyanatosulphonyltoluene	2234	N/A	N/A	N/A	N/A
cumene	1400	12300	N/A	39	N/A
ethylbenzene	3500	17800	N/A	17.8	1.5
3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate	4825	1060	N/A	N/A	0.04

### Section 12. Ecological information

#### **Toxicity**

Product/ingredient name	Result	Species	Exposure
examethylene diisocyanate, oligomers.	Acute EC50 >1000 mg/l	Algae - scenedesmus subspicatus	72 hours
0	Acute EC50 >100 mg/l	Daphnia - daphnia magna	48 hours
	Acute LC50 >100 mg/l	Fish - Danio rerio (zebra fish)	96 hours
Solvent naphtha (petroleum), light aromatic	Acute LC50 8.2 mg/l	Fish	96 hours
2-butoxyethyl acetate	Acute LC50 28 mg/l	Fish	96 hours
n-butyl acetate	Acute LC50 18 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 name SLOW TOPCOAT HARDENER

### Section 12. Ecological information

Product/ingredient name	Test	Result		Dose		Inoculum
butoxyethyl acetate n-butyl acetate	OECD 301A TEPA and OECD 301D	97 % - Readily - 7 days 83 % - Readily - 28 days		-		-
ethylbenzene	-	79 % - Readily - 10 days		-		-
Product/ingredient name	Aquatic half-life		Photolysis		Biodegradability	
examethylene diisocyanate, oligomers.	-		-		Not read	dily
2-butoxyethyl acetate n-butyl acetate ethylbenzene	- - -		- - -		Readily Readily Readily	

#### **Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential	
Hexamethylene diisocyanate,	5.54	3.2	low	
oligomers. 1,2,4-trimethylbenzene	3.63	120.23	low	
2-butoxyethyl acetate	1.51	-	low	
n-butyl acetate	2.3	-	low	
mesitylene	3.42	186.21	low	
propylbenzene	3.69	-	low	
1,2,3-trimethylbenzene	3.66	194.98	low	
cumene	3.55	35.48	low	
ethylbenzene	3.6	79.43	low	
3-isocyanatomethyl- 3,5,5-trimethylcyclohexyl isocyanate	0.99	-	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

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Product name SLOW TOPCOAT HARDENER

### Section 13. Disposal considerations

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with soil, waterways, drains and sewers.
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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	ΙΑΤΑ
UN number	UN1263	UN1263	UN1263
UN proper shipping name	PAINT	PAINT	PAINT
Transport hazard class (es)	3	3	3
Packing group	111	Ш	III
Environmental hazards	No.	Yes.	Yes. The environmentally hazardous substance mark is not required.
Marine pollutant substances	Not applicable.	(Solvent naphtha (petroleum), light aromatic, 1,2,4-trimethylbenzene)	Not applicable.
Product RQ (lbs)	<b>1</b> /3185.7	Not applicable.	Not applicable.
RQ substances	(xylene, benzene)	Not applicable.	Not applicable.

Additional in	formation
DOT	: This product may be re-classified as "Combustible Liquid," unless transported by vessel or aircraft. Non-bulk packages (less than or equal to 119 gal) of combustible liquids are not regulated as hazardous materials in package sizes less than the product reportable quantity.
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 prec	autions for user : <b>Transport within user's premises:</b> 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 I to IMO instru	oulk according : Not applicable. ments

Listed

Listed

Product name SLOW TOPCOAT HARDENER

### Section 15. Regulatory information

#### **United States**

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

#### U.S. Federal regulations

#### United States - TSCA 5(a)2 - Final significant new use rules: Zethoxyethanol

2-ethoxyethyl acetate

#### SARA 302/304 SARA 304 RQ

: ₱56287.8 lbs / 161754.6 kg [42945.8 gal / 162567.5 L]

#### **Composition/information on ingredients**

		SARA 3	02 TPQ	SARA 3	804 RQ
Name	EHS	(lbs)	(gallons)	(lbs)	(gallons)
isocyanatomethyl- 3,5,5-trimethylcyclohexyl isocyanate	Yes.	500	56.7	500	56.7 -

#### SARA 311/312

Classification	<ul> <li>FLAMMABLE LIQUIDS - Category 3         ACUTE TOXICITY (inhalation) - Category 4         SKIN IRRITATION - Category 2         EYE IRRITATION - Category 2A         RESPIRATORY SENSITIZATION - Category 1         SKIN SENSITIZATION - Category 1         CARCINOGENICITY - Category 1B         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 (REPEATED EXPOSURE) - Category 2         </li> </ul>
	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 HNOC - Defatting irritant

#### **Composition/information on ingredients**

Name	%	Classification
Hexamethylene diisocyanate,	≥20 - ≤26	COMBUSTIBLE DUSTS
oligomers.		ACUTE TOXICITY (inhalation) - Category 4
		SKIN SENSITIZATION - Category 1A
		SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)
		(Respiratory tract irritation) - Category 3
Solvent naphtha (petroleum),	≥20 - ≤38	FLAMMABLE LIQUIDS - Category 3
light aromatic		SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)
		(Respiratory tract irritation) - Category 3
		SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)
		(Narcotic effects) - Category 3
		ASPIRATION HAZARD - Category 1 HNOC - Defatting irritant
3 Isocyanatomothyl	≥10 - ≤20	SKIN SENSITIZATION - Category 1B
3-Isocyanatomethyl- 3,5,5-trimethylcyclohexyl	210-320	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)
isocyanate, oligomers		(Respiratory tract irritation) - Category 3
(isocyanurate type)		(Respiratory tract initiation) - Gategory o
1,2,4-trimethylbenzene	≥5.0 - ≤11	FLAMMABLE LIQUIDS - Category 3
	-0.0 -11	ACUTE TOXICITY (inhalation) - Category 4
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Product name SLOW TOPCOAT HARDENER

### Section 15. Regulatory information

EYE IRRITATION - Category 2A           SPECOPIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory trad irritation) - Category 3 HNOC - Defating irritant           2-butoxyethyl acetate         ≥1.0 - ≤5.0           REMOVE TOXICITY (roma) - Category 4 ACUTE TOXICITY (roma) - Category 2 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narotice effects) - Category 3 HNOC - Defatting irritant           mesitylene         ≥0.10 - ≤2.4         FLAMMABLE LIQUIDS - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory trad irritation) - Category 3 HNOC - Defatting irritation (Respiratory trad irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory trad irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory trad irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory trad irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory trad irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory trad irritation) - Category 1 HNOC - Defating irritati 1.2,3-trimethylbenzene           1.1,2,3-trimethylbenzene         <1.0 < S5.0           21.0 - ≤5.0         FLAMMABLE LIQUIDS - Category 3 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2 EYE IRRITATION - Category 2 EYE IRRITATION - Category 2 ACUTE TOXICITY (Inno) - Category 1 SKIN IRRITATION - Category 1 SKIN IRRITATION - Category 1 ACUTE CACINGE ORGAN TOXICITY (ISINGLE EXPOSURE) (Respiratory trad irritation) - Category 1 ACUTE CACINGE ORGAN TO	<b>U</b>		
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 HNOC - Defatting irritant - Category 4 ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (Irrination) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Inarotic effects) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Inarotic effects) - 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 ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 ASPIRATION + AZARD - Category 1 HNOC - Defatting irritant 1,2,3-trimethylbenzene         1,2,3-trimethylbenzene       ≥1.0 - ≤5.0       FLAMMABLE LIQUIDS - Category 2 EYE IRRITATION - Category 2 EYE IRRITATION - Category 2 EYE IRRITATION - Category 2 ASPIRATION + Category 1 HNOC - Defating irritant 4-isocyanatosulphonyltoluene         4.isocyanatosulphonyltoluene       <1.0			SKIN IRRITATION - Category 2
(Respiratory tract irritation) - Category 3         2-butoxyethyl acetate       21,0 - ≤5.0         2-butoxyethyl acetate       21,0 - ≤5.0         Public Category 4       ACUTE TOXICITY (oral) - Category 4         ACUTE TOXICITY (instantion) - Category 2         specific TARGET ORGAN TOXICITY (ISPLATED)         EXPOSURE) - Category 3         mesitylene         20.10 - s2.4         FLAMMABLE LIQUIDS - 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 ORGAN TOXICITY (SINGLE EXPOSURE)         (Respiratory tract irritation) - Category 3         SKIN IRRITATION - Category 1         1,2,3-trimethylbenzene       21.0 - s5.0         21.0 - s5.0       FLAMMABLE LIQUIDS - Category 1			
HNOC - Defatting initiant         2:butoxyethyl acetate       21.0 - 55.0       FLAMMABLE LIQUIDS - Category 4         ACUTE TOXICITY (armal) - Category 4       ACUTE TOXICITY (armal) - Category 4         n-butyl acetate       21.0 - 55.0       FLAMMABLE LIQUIDS - Category 2         n-butyl acetate       21.0 - 55.0       FLAMMABLE LIQUIDS - Category 2         specific TARGET ORGAN TOXICITY (SINGLE EXPOSURE)       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)         (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)         (Noc - Defatting irritant       - 4.10 - 45.0       FLAMMABLE LIQUIDS - Category 2         1.2.3-trimethylbenzene       21.0 - 45.0       FLAMMABLE LIQUIDS - Category 2         4-isocyanatosulphonyltoluene       4.1.0 - 55.0       FLAMMABLE LIQUIDS - Category 2         4-isocyanatosulphonyltoluene       4.1.0 - Stiting irritant - Category 2<			
2-butoxyethyl acetate       21.0 - ≤5.0       FLAMMABLE LIQUIDS - Category 4         ACUTE TOXICITY (dermal) - Category 4       ACUTE TOXICITY (dermal) - Category 4         n-butyl acetate       21.0 - ≤5.0       FLAMMABLE LIQUIDS - Category 4         n-butyl acetate       21.0 - ≤5.0       FLAMMABLE LIQUIDS - Category 2         n-butyl acetate       21.0 - ≤5.0       FLAMMABLE LIQUIDS - Category 3         mesitylene       20.10 - 52.4       FLAMMABLE LIQUIDS - Category 3         propylbenzene       21.0 - ≤5.0       FLAMMABLE LIQUIDS - Category 3         propylbenzene       21.0 - ≤5.0       FLAMMABLE LIQUIDS - 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         1,2,3-trimethylbenzene       21.0 - ≤5.0       FLAMMABLE LIQUIDS - Category 3         4-isocyanatosulphonyltoluene       <1.0 - ≤5.0			
ACUTE TOXICITY (oral) - Category 4         ACUTE TOXICITY (inhalation) - Category 4         ACUTE TOXICITY (inhalation) - Category 4         ACUTE TOXICITY (inhalation) - Category 4         SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)         Inhoc - Defating initiant         mesitylene         20.10 - \$2.4         FLAMMABLE LIQUIDS - Category 3         SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)         (Respiratory tract irritation) - Category 3         sproptibenzene         21.0 - \$5.0         FLAMMABLE LIQUIDS - Category 3         SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)         (Respiratory tract irritation) - Category 3         sproptibenzene         21.0 - \$5.0         FLAMMABLE LIQUIDS - Category 3         SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)         (Respiratory tract irritation) - Category 3         1.2,3-trimethylbenzene       \$1.0 - \$5.0         FLAMMABLE LIQUIDS - Category 2         EYE IRRITATION - Category 2         EYE IRRITATION - Category 2         EYE IRRITATION - Category 2A         HINOC - Defatting irritant         1.2,3-trimethylbenzene       \$1.0 - \$5.0         FLAMMABLE LIQUIDS - Category 1         SKIN IRRITATION - Category 2         EYE IRRIT			
ACUTE TOXICITY (dermail) - Category 4         ACUTE TOXICITY (inhalizion) - Category 4         SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2         n-butyl acetate       ≥1.0 - ≤5.0         FLAMMABLE LIQUIDS - Category 3         mesitylene       ≥0.10 - ≤2.4         FLAMMABLE LIQUIDS - Category 3         FLAMMABLE LIQUIDS - Category 3         propylbenzene       ≥1.0 - ≤5.0         FLAMMABLE LIQUIDS - Category 3         SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)         (Respiratory tract intration) - Category 3         SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)         (Respiratory tract intration) - Category 3         SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)         (Respiratory tract intration) - Category 3         SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)         (Respiratory tract intration) - Category 3         SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)         (Respiratory tract intration) - Category 4         1,2,3-trimethylbenzene       ≥1.0 - ≤5.0         FLAMMABLE LIQUIDS - Category 1         HNOC - Defatting initiant         4-isocyanatosulphonyltoluene       <1.0	2-butoxyetnyl acetate	21.0 - ≤5.0	
ACUTE TOXICITY (inhalation) - Category 4 SPEC/IFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 SPEC/IFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 HNOC - Defatting initiant         mesitylene       ≥0.10 - \$2.4       FLAMMABLE LIQUIDS - Category 3 SPEC/IFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 HNOC - Defatting irritant         propylbenzene       ≥1.0 - \$5.0       FLAMMABLE LIQUIDS - Category 3 SPEC/IFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPEC/IFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPEC/IFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPEC/IFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 1 HNOC - Defating irritant         1,2,3-trimethylbenzene       ≥1.0 - \$5.0       FLAMMABLE LIQUIDS - Category 2 EYE IRRITATION - Category 1 SPEC/IFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 1 SPEC/IFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 ACUTE TOXICITY (oral) - Category 3 ACUTE TOXICITY (oral) - Category 3 ACUTE TOXICITY (oral) - Category 4 CARCINOGENICITY - Category 2 ASPIRATION HAZARD - Category 2 ASPIRATION HAZARD - Category 1 HNOC - Defating irritant HNOC - Defating irritant H			
specific TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2         n-butyl acetate       ≥1.0 - ≤5.0         resitylene       ≥1.0 - ≤2.4         specific TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narotic effects) - Category 3 HNOC - Defatting irritant         propylbenzene       ≥1.0 - ≤2.4         specific TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 HNOC - Defatting irritant propylbenzene         specific TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 ASPIRATION HAZARD - Category 3 ASPIRATION HAZARD - Category 1 HNOC - Defatting irritant         1.2,3-trimethylbenzene       ≥1.0 - ≤5.0         stinu ritritation - Category 2 (Respiratory tract irritation) - Category 3 ASPIRATION - Category 2 EYE IRRITATION - Category 3 ACUTE TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 ACUTE TOXICITY (Category 1A SKIN SENSITIZATION - Category 3 ACUTE TOXICITY (Category 1B SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 ACUTE TOXICITY (category 1 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 ASPIRATION + Category 1 HNOC - Defatting irritant         ethylbenzene       <1.0			
n-butyl acetate       21.0 - \$5.0       EXPOSURE) - Category 2 FLAMMABLE LIQUIDS - Category 2 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 HNOC - Defatting irritant         propylbenzene       21.0 - \$5.0       FLAMMABLE LIQUIDS - 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 ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2 EYE IRRITATION - Category 2 EYE IRRITATION - Category 2 EYE IRRITATION - Category 1 HNOC - Defatting irritant         4-isocyanatosulphonyltoluene       <1.0			
n-butyl acetate       ≥1.0 - \$5.0       FLAMMABLE LIQUIDS - Category 2 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 HNOC - Defatting irritant         mesitylene       ≥0.10 - \$2.4       FLAMMABLE LIQUIDS - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 HNOC - Defatting irritant         propylbenzene       ≥1.0 - \$5.0       FLAMMABLE LIQUIDS - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 1 HNOC - Defatting irritant         1,2,3-trimethylbenzene       ≥1.0 - \$5.0       FLAMMABLE LIQUIDS - Category 2 SYECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 1 HNOC - Defatting irritant         4-isocyanatosulphonyltoluene       >1.0 - \$5.0       FLAMMABLE LIQUIDS - Category 2 EYE IRRITATION - Category 2 EYE IRRITATION - Category 2 EYE IRRITATION - Category 1 SKIN IRRITATION - Category 1 SKIN SENSITIZATION - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 1 ACUTE TOXICITY (oral) - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 1 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1 HNOC - Defatting irritant         ethylbenzene       <1.0			
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 HNOC - Defatting irritant           mesitylene         ≥0.10 - ≤2.4         FLAMMABLE LIQUIDS - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 HNOC - Defatting irritant           propylbenzene         ≥1.0 - ≤5.0         FLAMMABLE LIQUIDS - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 ASPIRATION HAZARD - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 ASPIRATION HAZARD - Category 3 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 1A SKIN IRRITATION - Category 1A SKIN SISTIZATION - Category 1A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 1A SFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 1A SFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 ACUTE TOXICITY (Cale CARGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 ACUTE TOXICITY (Cale CARGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 ACUTE TOXICITY (Cale CARGAN TOXICITY (REPEATED EXPOSURE) - Category 2 ASPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 ACUTE TOXICITY (Inhalation) - Category 4 CARCINOGENICITY - Category 1 HNOC - Defating irritant HNOC - Defating irritant HNOC - Defating irritant HNOC - Defating irritant HNOC - Defating irritant CARCINOGENICITY - Category 1 ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1 HNOC - Defating irritant ACUTE TOXICITY (Inhalation) - Category 1 ASPIRATION HAZARD - Category 1 HNOC - Defating irritant HNOC - Defating irrit		10.150	
mesitylene       ≥0.10 - ≤2.4       FLAMMABLE LIQUIDS - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 HNOC - Defatting irritant         propylbenzene       ≥1.0 - ≤5.0       FLAMMABLE LIQUIDS - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 ASPIRATION HAZARD - Category 1 HNOC - Defatting irritant         1,2,3-trimethylbenzene       ≥1.0 - ≤5.0       FLAMMABLE LIQUIDS - Category 3 SHOLTON HAZARD - Category 3 ASPIRATION HAZARD - Category 3 KIN IRRITATION - Category 2 EYE IRRITATION - Category 2 EYE IRRITATION - Category 2 EYE IRRITATION - Category 2A HNOC - Defatting irritant         4-isocyanatosulphonyltoluene       <1.0	n-butyl acetate	≥1.0 - ≤5.0	
mesitylene       ≥0.10 - ≤2.4       FLAMMABLE LIQUIDS - 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 ASPIRATION HAZARD - Category 1 HNOC - Defatting irritant         1,2,3-trimethylbenzene       ≥1.0 - ≤5.0       FLAMMABLE LIQUIDS - Category 3 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2 EYE IRRITATION - Category 2 ASPIRATON - Category 2 EYE IRRITATION - Category 2 ANDC - Defatting irritant         4-isocyanatosulphonyltoluene       <1.0			
mesitylene       ≥0.10 - ≤2.4       FLAMMABLE LIQUIDS - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 HNOC - Defatting irritant         propylbenzene       ≥1.0 - ≤5.0       FLAMMABLE LIQUIDS - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 ASPIRATION HAZARD - Category 3 ASPIRATION HAZARD - Category 3 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2 EYE IRRITATION - Category 2 EYE IRRITATION - Category 2A HNOC - Defatting irritant         4-isocyanatosulphonyltoluene       <1.0			
specific TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 HNOC - Defatting irritant         propylbenzene       ≥1.0 - ≤5.0       FLAMMABLE LIQUIDS - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 1 HNOC - Defatting irritant         1.2,3-trimethylbenzene       ≥1.0 - ≤5.0       FLAMMABLE LIQUIDS - Category 1 HNOC - Defatting irritant         4-isocyanatosulphonyltoluene       ≥1.0 - ≤5.0       FLAMMABLE LIQUIDS - Category 2 EYE IRRITATION - Category 2 EYE IRRITATION - Category 2A HNOC - Defatting irritant         4-isocyanatosulphonyltoluene       <1.0			
propylbenzene       ≥1.0 - ≤5.0       FLAMMABLE LIQUIDS - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 1 HNOC - Defatting irritant         1.2,3-trimethylbenzene       ≥1.0 - ≤5.0       FLAMMABLE LIQUIDS - Category 3 SKIN IRRITATION + Category 2 EYE IRRITATION - Category 2 EYE IRRITATION - Category 2 EYE IRRITATION - Category 2A HNOC - Defatting irritant         4-isocyanatosulphonyltoluene       <1.0	mesitylene	≥0.10 - ≤2.4	
propylbenzene       ≥1.0 - ≤5.0       FLAMMABLE LIQUIDS - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 ASPIRATION HAZARD - Category 1 HNOC - Defatting irritant         1,2,3-trimethylbenzene       ≥1.0 - ≤5.0       FLAMMABLE LIQUIDS - Category 3 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2 EYE IRRITATION - Category 2A HNOC - Defatting irritant         4-isocyanatosulphonyltoluene       <1.0			
propylbenzene       ≥1.0 - ≤5.0       FLAMMABLE LIQUIDS - Category 3         SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3         ASPIRATION HAZARD - Category 1         HNOC - Defatting irritant         1,2,3-trimethylbenzene       ≥1.0 - ≤5.0         FLAMMABLE LIQUIDS - Category 3         SKIN IRRITATION - Category 2         EYE IRRITATION - Category 2A         HNOC - Defatting irritant         4-isocyanatosulphonyltoluene         <1.0			
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 ASPIRATION HAZARD - Category 1 HNOC - Defatting irritant         1,2,3-trimethylbenzene       ≥1.0 - ≤5.0       FLAMMABLE LIQUIDS - Category 3 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 1A SKIN IRRITATION - Category 1A SKIN IRRITATION - Category 1A SKIN IRRITATION - Category 1A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 ACUTE TOXICITY (oral) - Category 3 ACUTE TOXICITY (oral) - 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 ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (IRPEATED EXPOSURE) - Category 2 ASPIRATION HAZARD - Category 2 ASPIRATION HAZARD - Category 2 ACUTE TOXICITY (Inhalation) - Category 4 CARCINOGENICITY - Category 2 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 ASPIRATION HAZARD - Category 1 HNOC - Defatting irritant 3-isocyanatomethyl- 3.5.5-trimethylcyclohexyl isocyanate			
(Respiratory tract irritation) - Category 3 ASPIRATION HAZARD - Category 1 HNOC - Defatting irritant         1,2,3-trimethylbenzene       ≥1.0 - ≤5.0       FLAMMABLE LIQUIDS - Category 2 EYE IRRITATION - Category 2 EYE IRRITATION - Category 2A HNOC - Defatting irritant         4-isocyanatosulphonyltoluene       <1.0	propylbenzene	≥1.0 - ≤5.0	
ASPIRATION HAZARD - Category 1 HNOC - Defatting irritant         1,2,3-trimethylbenzene       ≥1.0 - ≤5.0         FILAMMABLE LIQUIDS - Category 3 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2 EYE IRRITATION - Category 2A HNOC - Defatting irritant         4-isocyanatosulphonyltoluene       <1.0			
1,2,3-trimethylbenzene       ≥1.0 - ≤5.0       FLAMMABLE LIQUIDS - Category 3 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A HNOC - Defatting irritant         4-isocyanatosulphonyltoluene       <1.0			
1,2,3-trimethylbenzene       ≥1.0 - ≤5.0       FLAMMABLE LIQUIDS - Category 3         SKIN IRRITATION - Category 2       EYE IRRITATION - Category 2         4-isocyanatosulphonyltoluene       <1.0			
SKIN IRRITATION - Category 2         EYE IRRITATION - Category 2A         HNOC - Defatting irritant         4-isocyanatosulphonyltoluene         <1.0			
4-isocyanatosulphonyltoluene       <1.0	1,2,3-trimethylbenzene	≥1.0 - ≤5.0	
4-isocyanatosulphonyltoluene       <1.0			
4-isocyanatosulphonyltoluene       <1.0			
EYE IRRITATION - Category 2A RESPIRATORY SENSITIZATION - Category 1A SKIN SENSITIZATION - Category 1A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 ACUTE TOXICITY (oral) - Category 4 CARCINOGENICITY - Category 1B SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 4 CARCINOGENICITY - Category 1B 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 (REPEATED EXPOSURE) - Category 2 ASPIRATION HAZARD - Category 1 HNOC - Defatting irritant 4.000000000000000000000000000000000000			
RESPIRATORY SENSITIZATION - Category 1A SKIN SENSITIZATION - Category 1A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 ACUTE TOXICITY (oral) - Category 3 ACUTE TOXICITY (oral) - Category 4 CARCINOGENICITY - Category 1B 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 (REPEATED EXPOSURE) - Category 2 ASPIRATION HAZARD - Category 1 HNOC - Defatting irritantethylbenzene<1.0	4-isocyanatosulphonyltoluene	<1.0	
Skin SENSITIZATION - Category 1A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 ACUTE TOXICITY (oral) - Category 4 CARCINOGENICITY - Category 1B 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 (REPEATED EXPOSURE) - Category 2 ASPIRATION HAZARD - Category 1 HNOC - Defatting irritantethylbenzene<1.0			
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 ACUTE TOXICITY (oral) - Category 3 ACUTE TOXICITY (oral) - Category 4 CARCINOGENICITY - Category 1B SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 1B SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 ASPIRATION HAZARD - Category 1 HNOC - Defatting irritantethylbenzene<1.0			
cumene<1.0(Respiratory tract irritation) - Category 3 ACUTE TOXICITY (oral) - Category 4 CARCINOGENICITY - Category 1B SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 ASPIRATION HAZARD - Category 1 HNOC - Defatting irritant HNOC - Defatting irritantethylbenzene<1.0			
cumene<1.0			
ACUTE TOXICITY (oral) - Category 4 CARCINOGENICITY - Category 1B SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 ASPIRATION HAZARD - Category 1 HNOC - Defatting irritant FLAMMABLE LIQUIDS - Category 2 ACUTE TOXICITY (inhalation) - Category 4 CARCINOGENICITY - Category 2 ACUTE TOXICITY (inhalation) - Category 4 CARCINOGENICITY - Category 2 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1 HNOC - Defatting irritant3-isocyanatomethyl- 3,5,5-trimethylcyclohexyl isocyanate<1.0			
cARCINOGENICITY - Ćategory 1BSPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 ASPIRATION HAZARD - Category 1 HNOC - Defatting irritant HNOC - Defatting irritantethylbenzene<1.0	cumene	<1.0	
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 ASPIRATION HAZARD - Category 1 HNOC - Defatting irritantethylbenzene<1.0			
(Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 ASPIRATION HAZARD - Category 1 HNOC - Defatting irritantethylbenzene<1.0			
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 ASPIRATION HAZARD - Category 1 HNOC - Defatting irritant FLAMMABLE LIQUIDS - Category 2 ACUTE TOXICITY (inhalation) - Category 4 CARCINOGENICITY - Category 2 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 ASPIRATION HAZARD - Category 1 HNOC - Defatting irritant3-isocyanatomethyl- 3,5,5-trimethylcyclohexyl isocyanate<1.0			
ethylbenzene<1.0EXPOSURE) - Category 2 ASPIRATION HAZARD - Category 1 HNOC - Defatting irritant FLAMMABLE LIQUIDS - Category 2 ACUTE TOXICITY (inhalation) - Category 4 CARCINOGENICITY - Category 2 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 ASPIRATION HAZARD - Category 1 HNOC - Defatting irritant 3-isocyanatomethyl- 3,5,5-trimethylcyclohexyl isocyanate<1.0ACUTE TOXICITY (dermal) - Category 4 ACUTE TOXICITY (inhalation) - Category 1 BKIN IRRITATION - Category 2 SKIN IRRITATION - Category 2			
ethylbenzene<1.0ASPIRATION HAZARD - Category 1 HNOC - Defatting irritant FLAMMABLE LIQUIDS - Category 2 ACUTE TOXICITY (inhalation) - Category 4 CARCINOGENICITY - Category 2 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 ASPIRATION HAZARD - Category 1 HNOC - Defatting irritant3-isocyanatomethyl- 3,5,5-trimethylcyclohexyl isocyanate<1.0			
ethylbenzene<1.0HNOC - Defatting irritant FLAMMABLE LIQUIDS - Category 2 ACUTE TOXICITY (inhalation) - Category 4 CARCINOGENICITY - Category 2 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 ASPIRATION HAZARD - Category 1 HNOC - Defatting irritant 3.5,5-trimethylcyclohexyl isocyanate<1.0ACUTE TOXICITY (dermal) - Category 4 ACUTE TOXICITY (inhalation) - Category 1 BKIN IRRITATION - Category 2 SKIN IRRITATION - Category 2			
ethylbenzene<1.0FLAMMABLE LIQUIDS - Category 2 ACUTE TOXICITY (inhalation) - Category 4 CARCINOGENICITY - Category 2 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 ASPIRATION HAZARD - Category 1 HNOC - Defatting irritant 3.5,5-trimethylcyclohexyl isocyanate<1.0ACUTE TOXICITY (dermal) - Category 4 ACUTE TOXICITY (inhalation) - Category 1 SKIN IRRITATION - Category 2			
ACUTE TOXICITY (inhalation) - Category 4 CARCINOGENICITY - Category 2 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 ASPIRATION HAZARD - Category 1 HNOC - Defatting irritant3-isocyanatomethyl- 3,5,5-trimethylcyclohexyl isocyanate<1.0	a thuilt a mean a	-1.0	
3-isocyanatomethyl- 3,5,5-trimethylcyclohexyl isocyanate<1.0	euryipenzene	<1.0	
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 ASPIRATION HAZARD - Category 1 HNOC - Defatting irritant 3.5,5-trimethylcyclohexyl isocyanate<1.0SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 ASPIRATION HAZARD - Category 1 HNOC - Defatting irritant ACUTE TOXICITY (dermal) - Category 4 ACUTE TOXICITY (inhalation) - Category 1 SKIN IRRITATION - Category 2			
Second stateEXPOSURE) - Category 2 ASPIRATION HAZARD - Category 1 HNOC - Defatting irritant ACUTE TOXICITY (dermal) - Category 4 ACUTE TOXICITY (inhalation) - Category 1 SKIN IRRITATION - Category 2			
3-isocyanatomethyl- 3,5,5-trimethylcyclohexyl isocyanate<1.0			
3-isocyanatomethyl- 3,5,5-trimethylcyclohexyl isocyanate<1.0			
3-isocyanatomethyl-       <1.0			
3,5,5-trimethylcyclohexyl       ACUTE TOXICITY (inhalation) - Category 1         isocyanate       SKIN IRRITATION - Category 2	2 in a van at a mother d	-10	
isocyanate SKIN IRRITATION - Category 2		<b>\$1.0</b>	
United States Page: 18/20	Isocyanale		Shin IKRITATION - Calegoly Z
			United States Page: 18/20

**Supplier notification** 

Product name SLOW TOPCOAT HARDENER

### Section 15. Regulatory information

	EYE IRRITATION - Category 2A RESPIRATORY SENSITIZATION - Category 1A SKIN SENSITIZATION - Category 1A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
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#### <u>SARA 313</u>

Chemical name	<u>CAS number</u>	<b>Concentration</b>
: 1,2,4-trimethylbenzene	95-63-6	7 - 13
2-butoxyethyl acetate	112-07-2	1 - 5
cumene	98-82-8	0.1 - 1
ethylbenzene	100-41-4	0.1 - 1

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 : 2 Physical hazards : 1

(\*) - Chronic effects

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. 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 Flammability : 2 Instability : 1				
Date of previous issue	: 6/16/2021			
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 = 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 has changed from previously issued version.

United States Page: 19/20

### Section 16. Other information

#### **Disclaimer**

The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by PPG, and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.