# **SAFETY DATA SHEET**



#### The information in this Safety Data Sheet is required pursuant to Hazardous Product Regulations 2015.

Date of issue/Date of revision 5 June 2024 Version 13.02

Section 1. Identification		
Product name	: DURETHANE MCZ Moisture Cure Zinc Red Compomnent A	
Product code	: 00338267	
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	: Coating.	
Uses advised against	: Not applicable.	
Supplier	<ul> <li>PPG Architectural Coatings Canada, Inc. 1550, rue Ampère, bureau 500 Boucherville (Québec) J4B 7L4 Canada +1 450-655-3121</li> </ul>	
	PPG Industries, Inc. One PPG Place Pittsburgh, PA 15272	
Emergency telephone number	: (412) 434-4515 (U.S.) (514) 645-1320 (Canada) SETIQ Interior de la República: 800-00-214-00 (México) SETIQ Ciudad de México: (55) 5559-1588 (México)	
<b>Technical Phone Number</b>	: 888-977-4762	

# Section 2. Hazard identification

Classification of the	: FLAMMABLE LIQUIDS - Category 3
substance or mixture	ACUTE TOXICITY (inhalation) - Category 4
	SKIN IRRITATION - Category 2
	EYE IRRITATION - Category 2A
	RESPIRATORY SENSITIZATION - Category 1A
	SKIN SENSITIZATION - Category 1A
	CARCINOGENICITY - 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 (REPEATED EXPOSURE) - Category 2 Health Hazards Not Otherwise Classified - Category 1
	Health Hazards Not Otherwise Classified - Category 1

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### Product name DURETHANE MCZ Moisture Cure Zinc Red Compomnent A

### Section 2. Hazard identification

GHS label elements	
Hazard pictograms	
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 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. (respiratory system) Prolonged or repeated contact may dry skin and cause irritation.</li> </ul>
Precautionary statemen	i <u>ts</u>
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 only outdoors or in a well-ventilated area. Do not breathe vapor. Wash thoroughly after handling. Contaminated work clothing should 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. 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.
Disposal	: Dispose of contents and container in accordance with all local, regional, national and international regulations.
Supplemental label elements	: Moisture-sensitive material. Sanding and grinding dusts may be harmful if inhaled. 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 any process in which this product is used. Avoid contact with skin and clothing. Wash thoroughly after handling. Emits toxic fumes when heated.

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### Product name DURETHANE MCZ Moisture Cure Zinc Red Compomnent A

### Section 2. Hazard identification

Percentage of the mixture consisting of ingredient(s) of unknown acute toxicity: 33.7% (oral), 69% (dermal), 63.2% (inhalation)

### Section 3. Composition/information on ingredients

#### : Mixture Substance/mixture **Product name** : DURETHANE MCZ Moisture Cure Zinc Red Compomnent A : Not available. Other means of identification

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

Ingredient name	Synonyms	% (w/w)	CAS number
Socyanic acid, polymethylenepolyphenylene ester, polymer with 1,2-ethanediamine, 2-methyloxirane and 1,2-propanediol	Isocyanic acid, polymethylenepolyphenylene ester, polymer with 1,2-ethanediamine, methyloxirane and 1,2-propanediol; Isocyanic acid, polymethylenepolyphenylene ester, propylene oxide, 1,2-propanediol, ethylenediamine polymer; Isocyanic acid polymethylenepolyphenylene ester polymer with 1,2-ethanediamine, methyloxirane and 1,2-propanediol	15 - 40	67815-87-6
Solvent naphtha (petroleum), light aromatic	Low boiling point naphtha - unspecified; Solvent naphtha (petroleum), light arom; Solvent naphtha, petroleum, light aromatic; Aromatic hydrocarbon solvents - medium flashpoint; Light aromatic solvent naphtha; Solvent naphtha, light aromatic; Solvent naphtha (petroleum), light aromatic; Light aromatic solvent naphtha (petroleum) (C8 to C10); Solvent naphtha, petroleum, light arom.; AROMATIC PETROLUEM DISTILLATE; SOLVENT, AROMATIC PETROLEUM	10 - 30*	64742-95-6
1,2,4-trimethylbenzene	Benzene, 1,2,4-trimethyl-; .pseudo Cumene; Pseudocumene; psi-Cumene; Asymmetrical trimethylbenzene; hemimellitene; Trimethylbenzene; unsym- Trimethylbenzene; Trialkyl(C1-4)benzene; Tri-or tetramethylbenzene; 1,3,4-Trimethylbenzene	10 - 30*	95-63-6
4,4'-methylenediphenyl diisocyanate	4,4'-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate; Benzene, 1,1'-methylenebis[4-isocyanato-; Benzene, 1,1'-methylenebis(4-isocyanato-; 4,4'-Diisocyanatodiphenylmethane; 4,4'- Diphenylmethane diisocyanate; 4,4-Methylenediphenyl diisocyanate; Isocyanic acid, methylenedi-p-phenylene ester; Methylenebis[4-phenyl isocyanate; Methylene 4,4'-diphenyl diisocyanate;	3 - 7*	101-68-8
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# Product name DURETHANE MCZ Moisture Cure Zinc Red Compomnent A

# Section 3. Composition/information on ingredients

diiron trioxideIron oxide (Fe2O3); Iron oxide; C.I. Pigment Red 101; Ferric oxide; Iron oxide anhydrous; Iron oxide, red; Iron sesquioxide; Iron trioxide; iron oxide pigment, Iron oxide dust and fume (as Fe); Rougesocyanic acid, polymethylenepolyphenylene esterPolymethylenepolyphenyl isocyanate; Polymeric diphenylmethane diisocyanate; PAPI; polymeric diphenylmethane diisocyanate; polymeric MDI; METHYLENE DIPHENYL DIISOCYANATE; pMDI; Isocyanuric acid polymethylene polyphenyl isocyanate; polymeric MDI; MDI oligomers; DIPHENYLMETHANEDIISOCYANATE, isomers and homologues; Polymethylenepolyphenyl polyisocyanatenesitylene1,3,5-trimethylbenzene; Benzene, 1,3,5-trimethylbenzene; Symmetrical trimethylbenzene; solution of more than 61 % but not more than 63 % by weight of methylcyclopentadienyl maganese tricarbonyl (CAS RN 12108-13-3) in an aromatic hydrocarbon solvent, containing by weight not more than: — 4,9 % of 1,2,4-trimethylbenzene (CAS RN 95-63-6] — 4,9 % of naphthalene (91-20-3), and	1 - 5* ; f	1309-37-1 9016-87-9 108-67-8
bolymethylenepolyphenylene esterPolymeric diphenylmethane diisocyanate; PAPI; polymeric diphenylmethane diisocyanate; polymeric MDI; METHYLENE DIPHENYL DIISOCYANATE; pMDI; Isocyanuric acid polymethylene polyphenyl isocyanate; polymeric MDI; MDI oligomers; DIPHENYLMETHANEDIISOCYANATE, isomers and homologues; Polymethylenepolyphenyl polyisocyanatenesitylene1,3,5-trimethylbenzene; Benzene, 1,3,5-trimethylbenzene; Symmetrical trimethylbenzene; solution of more than 61 % but not more than 63 % by weight of 	; f	
1,3,5-trimethyl-; 1,3,5-Trimethylbenezene; sym-Trimethylbenzene; Symmetrical trimethylbenzene; solution of more than 61 % but not more than 63 % by weight of methylcyclopentadienyl manganese tricarbonyl (CAS RN 12108-13-3) in an aromatic hydrocarbon solvent, containing by weight not more than: — 4,9 % of 1,2,4-trimethylbenzene (CAS RN 95-63-6) — 4,9 % of naphthalene (91-20-3), and	; f	108-67-8
bropylbenzene Benzene, propyl-; N-PROPYLBENZENE; Phenylpropane; 1-Propylbenzene; n- Alkylbenzene (C3-36); Isocumol	1 - 5*	103-65-1
1,2,3-trimethylbenzene Benzene, 1,2,3-trimethyl-; Hemellitol; hemimellitene; Trialkyl(C1-4)benzene; Tri- or tetramethylbenzene; Vicinal trimethyl benzene; trimethyl benzene	1 - 5* -	526-73-8
kylene Benzene, dimethyl-; Xylol; Benzene, dimethyl-, mixed isomers; xylene, mixed isomers, pure; xylene, crude; Benzene, dimethyl-,; Xylene (mixed); xylene (total); Xylenes; Dimethylbenzene; XYLENES (Isomer Mixture)	0.5 - 1.5*	1330-20-7
1-isocyanatosulphonyltoluene tosyl isocyanate; p-toluenesulphonyl isocyanate; Benzenesulfonyl isocyanate,	0.5 - 1.5*	4083-64-1
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### Product name DURETHANE MCZ Moisture Cure Zinc Red Compomnent A

### Section 3. Composition/information on ingredients

	<ul> <li>4-methyl-; p-Toluenesulfonyl isocyanate;</li> <li>4-Toluenesulphonyl isocyanate;</li> <li>4-methylbenzenesulfonyl isocyanate;</li> <li>4-isocyanatosulfonyltoluene; 4-TOLUENE-SULFONYL-ISOCYANATE; TOSYL</li> <li>ISOCYANATE, PARA-; 4-methyl-N-(oxomethylidene)benzenesulfonamide</li> </ul>		
methylenediphenyl diisocyanate	Benzene, 1,1'-methylenebis[isocyanato-; Benzene, 1,1'-methylenebis(isocyanato-; Diphenylmethane diisocyanate; Benzene, 1,1'-methylenebis[isocyanato]-; MDI; benzene, 1,1'-methylenebis[isocyanato-; Ar,ar'-diphenylmethane diisocyanate (unspec.); Polymeric 4,4'- Methylenediphenyl diisocyanate; non- isomer-specific MDI; 4,4'- Methylenediphenyl diisocyanate; 1,1'- Methylenebis[isocyanatobenzene]	0.1 - 1*	26447-40-5
cumene	Benzene, (1-methylethyl)-; Isopropylbenzene; 2-Phenyl propane; Cumol; 1-methylethylbenzene; Cumene (I); Benzene, (1-methylethyl)- (I); Benzene, 1-methylethyl-; isopropylbenzol; (1-methyl/ ethyl)benzene; (1-Methylethyl)benzene	0.1 - 1*	98-82-8
ethylbenzene	Benzene, ethyl-; Phenylethane; Ethylbenzol; photosensitive emulsion consisting of cyclized polyisoprene containing: — 55 % or more but not more than 75 % by weight of xylene (CAS RN 1330-20-7) and — 12 % or more but not more than 18 % by weight of ethylbenzene (CAS RN 100-41-4); EB; Mono-(or di-) methyl (ethyl,bromoallyl, bromopropyloxycarbonyl orchloropropyloxycarbonyl) benzene	0.1 - 1*	100-41-4

\*Ranges if listed above for hazardous ingredient(s) are prescribed ranges. The actual concentration(s) or actual concentration range(s) are being withheld as a trade secret.

SUB codes represent substances without registered CAS Numbers.

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

: Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.

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### Section 4. First-aid measures

Inhalation	:	Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
Skin contact	:	Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.
Ingestion	1	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/e	effec	cts, acute and delayed
Potential acute health effect	<u>cts</u>	
Eye contact	:	Causes serious eye irritation.
Inhalation	:	Harmful if inhaled. Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. May cause respiratory irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin contact	:	Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.
Ingestion	:	Can cause central nervous system (CNS) depression.
Over-exposure signs/symp	oton	<u>15</u>
Eye contact	:	Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	:	Adverse symptoms may include the following: respiratory tract irritation coughing 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.
		I attention and special treatment needed, if necessary
Notes to physician Specific treatments		In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. No specific treatment.
Protection of first-aiders		
	·	No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

#### See toxicological information (Section 11)

### Section 5. Fire-fighting measures

Extinguishing media	
Suitable extinguishing media	: Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.
Unsuitable extinguishing media	: Do not use water jet.
Specific hazards arising from the chemical	: Flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon oxides nitrogen oxides sulfur oxides metal oxide/oxides Cyanate and isocyanate. hydrogen cyanide
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	<ul> <li>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</li> </ul>

### 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	<u>nt</u>	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.

### 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	: Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Vapors are heavier than air and may spread along floors. If this material is part of a multiple component system, read the Safety Data Sheet(s) for the other component or components before blending as the resulting mixture may have the hazards of all of its parts.
Advice on general occupational hygiene	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

### Section 7. Handling and storage

Conditions for safe storage,	
including any	accordance with local regulations. Store in a segregated and approved area. Store
incompatibilities	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.
	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
Socyanic acid, polymethylenepolyphenylene ester, polymer with 1,2-ethanediamine, 2-methyloxirane and 1,2-propanediol	CA Quebec Provincial (Canada, 7/2023). [Isocyanate oligomers] Skin sensitizer. Inhalation sensitizer.
Solvent naphtha (petroleum), light aromatic	None.
1,2,4-trimethylbenzene	CA Alberta Provincial (Canada, 3/2023).
	<ul> <li>[Trimethyl benzene] OEL: 123 mg/m<sup>3</sup> 8 hours. OEL: 25 ppm 8 hours.</li> <li>CA British Columbia Provincial (Canada, 8/2023). [Trimethyl benzene (mixed isomers)] TWA: 25 ppm 8 hours.</li> <li>CA Quebec Provincial (Canada, 7/2023).</li> <li>[Trimethyl benzene] Skin sensitizer.</li> <li>Inhalation sensitizer.</li> <li>TWAEV: 25 ppm 8 hours.</li> <li>CA Ontario Provincial (Canada, 6/2019).</li> <li>[Trimethyl benzene (mixed isomers)] TWA: 25 ppm 8 hours.</li> <li>CA Ontario Provincial (Canada, 6/2019).</li> <li>[Trimethyl benzene (mixed isomers)] TWA: 25 ppm 8 hours.</li> <li>CA Saskatchewan Provincial (Canada, 7/2013). [Trimethyl benzene] STEL: 30 ppm 15 minutes.</li> </ul>
	TWA: 25 ppm 8 hours.
4,4'-methylenediphenyl diisocyanate	<ul> <li>CA Alberta Provincial (Canada, 3/2023).</li> <li>OEL: 0.05 mg/m<sup>3</sup> 8 hours.</li> <li>OEL: 0.005 ppm 8 hours.</li> <li>CA British Columbia Provincial (Canada, 8/2023). Inhalation sensitizer.</li> <li>C: 0.01 ppm 15 minutes.</li> <li>TWA: 0.005 ppm 8 hours.</li> <li>CA Quebec Provincial (Canada, 7/2023).</li> <li>Skin sensitizer. Inhalation sensitizer.</li> <li>TWAEV: 0.051 mg/m<sup>3</sup> 8 hours.</li> <li>TWAEV: 0.005 ppm 8 hours.</li> <li>CA Saskatchewan Provincial (Canada, 7/2013).</li> <li>STEL: 0.015 ppm 15 minutes.</li> </ul>
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# Section 8. Exposure controls/personal protection

diiron trioxide	TWA: 0.005 ppm 8 hours. <b>CA Ontario Provincial (Canada, 6/2019).</b> <b>[Isocyanates, organic compounds]</b> Ceiling Limit: 0.02 ppm TWA: 0.005 ppm 8 hours. <b>CA Alberta Provincial (Canada, 3/2023).</b> OEL: 5 mg/m <sup>3</sup> , (as Fe) 8 hours. Form: Respirable <b>CA Ontario Provincial (Canada, 6/2019).</b> TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Respirable particulate matter. <b>CA British Columbia Provincial (Canada, 8/2023).</b> TWA: 10 mg/m <sup>3</sup> 8 hours. Form: Total dust <b>CA Quebec Provincial (Canada, 7/2023).</b> TWAEV: 5 mg/m <sup>3</sup> , (as Fe) 8 hours. Form: dust and fume <b>CA Saskatchewan Provincial (Canada, 7/2013).</b> STEL: 10 mg/m <sup>3</sup> , (measured as Fe) 15 minutes. Form: dust and fume
Isocyanic acid, polymethylenepolyphenylene ester	TWA: 5 mg/m <sup>3</sup> , (measured as Fe) 8 hours. Form: dust and fume <b>CA Alberta Provincial (Canada, 3/2023).</b> OEL: 0.07 mg/m <sup>3</sup> 8 hours. OEL: 0.005 ppm 8 hours. <b>CA Ontario Provincial (Canada, 6/2019).</b>
	[Isocyanates, organic compounds] Ceiling Limit: 0.02 ppm TWA: 0.005 ppm 8 hours. CA Quebec Provincial (Canada, 7/2023). [Isocyanate oligomers] Skin sensitizer. Inhalation sensitizer.
mesitylene	CA Alberta Provincial (Canada, 3/2023). [Trimethyl benzene] OEL: 123 mg/m <sup>3</sup> 8 hours. OEL: 25 ppm 8 hours. CA British Columbia Provincial (Canada, 8/2023). [Trimethyl benzene (mixed isomers)] TWA: 25 ppm 8 hours. CA Quebec Provincial (Canada, 7/2023). [Trimethyl benzene] Skin sensitizer. Inhalation sensitizer. TWAEV: 25 ppm 8 hours. CA Ontario Provincial (Canada, 6/2019). [Trimethyl benzene (mixed isomers)] TWA: 25 ppm 8 hours. CA Saskatchewan Provincial (Canada, 7/2013). [Trimethyl benzene] STEL: 30 ppm 15 minutes. TWA: 25 ppm 8 hours.
propylbenzene 1,2,3-trimethylbenzene	None. CA Alberta Provincial (Canada, 3/2023).

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# Section 8. Exposure controls/personal protection

	[Trimethyl benzene] OEL: 123 mg/m <sup>3</sup> 8 hours. OEL: 25 ppm 8 hours. CA British Columbia Provincial (Canada, 8/2023). [Trimethyl benzene (mixed isomers)] TWA: 25 ppm 8 hours. CA Quebec Provincial (Canada, 7/2023). [Trimethyl benzene] Skin sensitizer. Inhalation sensitizer. TWAEV: 25 ppm 8 hours. CA Ontario Provincial (Canada, 6/2019). [Trimethyl benzene (mixed isomers)] TWA: 25 ppm 8 hours. CA Saskatchewan Provincial (Canada, 7/2013). [Trimethyl benzene] STEL: 30 ppm 15 minutes. TWA: 25 ppm 8 hours.
xylene	CA Alberta Provincial (Canada, 3/2023). [Dimethylbenzene] OEL: 651 mg/m <sup>3</sup> 15 minutes. OEL: 150 ppm 15 minutes. OEL: 434 mg/m <sup>3</sup> 8 hours. OEL: 100 ppm 8 hours. CA British Columbia Provincial (Canada, 8/2023). [Xylene (o, m & p isomers)] STEL: 150 ppm 15 minutes. TWA: 100 ppm 8 hours. CA Quebec Provincial (Canada, 7/2023). [Xylene] STEV: 651 mg/m <sup>3</sup> 15 minutes. STEV: 150 ppm 15 minutes. TWAEV: 434 mg/m <sup>3</sup> 8 hours. TWAEV: 434 mg/m <sup>3</sup> 8 hours. TWAEV: 100 ppm 8 hours. CA Ontario Provincial (Canada, 6/2019). [Xylene (o-, m-, p-isomers)] STEL: 150 ppm 15 minutes. TWA: 100 ppm 8 hours. CA Saskatchewan Provincial (Canada, 7/2013). [Xylene] STEL: 150 ppm 15 minutes. TWA: 100 ppm 8 hours.
4-isocyanatosulphonyltoluene	CA Quebec Provincial (Canada, 7/2023). [Isocyanate oligomers] Skin sensitizer. Inhalation sensitizer.
methylenediphenyl diisocyanate	CA British Columbia Provincial (Canada, 8/2023). [Diisocyanates, not elsewhere specified, NOS] C: 0.01 ppm 15 minutes. TWA: 0.005 ppm 8 hours. CA Ontario Provincial (Canada, 6/2019). [Isocyanates, organic compounds] Ceiling Limit: 0.02 ppm TWA: 0.005 ppm 8 hours. CA Quebec Provincial (Canada, 7/2023).
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### Section 8. Exposure controls/personal protection

	[Isocyanate oligomers] Skin sensitizer. Inhalation sensitizer.
cumene	CA Alberta Provincial (Canada, 3/2023). OEL: 246 mg/m <sup>3</sup> 8 hours. OEL: 50 ppm 8 hours. CA British Columbia Provincial (Canada, 8/2023). STEL: 75 ppm 15 minutes. TWA: 25 ppm 8 hours. CA Ontario Provincial (Canada, 6/2019). Absorbed through skin. TWA: 50 ppm 8 hours. CA Quebec Provincial (Canada, 7/2023). TWAEV: 246 mg/m <sup>3</sup> 8 hours. TWAEV: 50 ppm 8 hours. CA Saskatchewan Provincial (Canada, 7/2013). STEL: 74 ppm 15 minutes. TWA: 50 ppm 8 hours.
ethylbenzene	CA Alberta Provincial (Canada, 3/2023). OEL: 543 mg/m <sup>3</sup> 15 minutes. OEL: 125 ppm 15 minutes. OEL: 434 mg/m <sup>3</sup> 8 hours. OEL: 100 ppm 8 hours. CA British Columbia Provincial (Canada, 8/2023). TWA: 20 ppm 8 hours. CA Ontario Provincial (Canada, 6/2019). TWA: 20 ppm 8 hours. CA Quebec Provincial (Canada, 7/2023). TWAEV: 20 ppm 8 hours. CA Saskatchewan Provincial (Canada, 7/2013). STEL: 125 ppm 15 minutes. TWA: 100 ppm 8 hours.

#### 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 measures

### Section 8. Exposure controls/personal protection

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	: Chemical splash goggles.
Skin protection	
Hand protection	: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
Gloves	: butyl rubber
Body protection	: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static 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.
Restrictions on use	<ul> <li>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.</li> </ul>

# Section 9. Physical and chemical properties

<u>Appearance</u>	
Physical state	: Liquid.
Color	: Red.
Odor	: Characteristic.
Odor threshold	: Not available.
рН	: Not applicable.
Melting point	: Not available.
Boiling point	: >37.78°C (>100°F)
Flash point	: Closed cup: 46.11°C (115°F)
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
Flammability	: Not available.
Lower and upper explosive (flammable) limits	: Not available.
Evaporation rate	: Not available.

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### Section 9. Physical and chemical properties

Vapor pressure	: Not available.		•
Vapor density	: Not available.		
Relative density	: 1.04		
Density ( lbs / gal )	: 8.68		
Solubility(ies)	Media	Result	
Solubility(les)	cold water	Not soluble	
Partition coefficient: n- octanol/water	: Not applicable.		
Viscosity	: Kinematic (40°C (1	04°F)): >21 mm²/s (>21 cSt)	
Volatility	: 56% (v/v), 46.813%	6 (w/w)	
% Solid. (w/w)	: 53.187		

# 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 sulfur oxides hydrogen cyanide metal oxide/oxides

# Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Solvent naphtha (petroleum),	LD50 Dermal	Rabbit	3.48 g/kg	-
light aromatic				
	LD50 Oral	Rat	8400 mg/kg	-
1,2,4-trimethylbenzene	LC50 Inhalation Vapor	Rat	18000 mg/m <sup>3</sup>	4 hours
	LD50 Oral	Rat	5 g/kg	-
4,4'-methylenediphenyl	LD50 Oral	Rat	9200 mg/kg	-
diisocyanate				
diiron trioxide	LC50 Inhalation Dusts and mists	Rat	>5 mg/l	4 hours
	LD50 Oral	Rat	10 g/kg	-
Isocyanic acid,	LD50 Dermal	Rabbit	>9400 mg/kg	-
polymethylenepolyphenylene				
ester				
	LD50 Oral	Rat	49 g/kg	-
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### Section 11. Toxicological information

LC50 Inhalation Vapor	Rat	24000 mg/m <sup>3</sup>	4 hours
LD50 Oral	Rat	5000 mg/kg	-
LD50 Oral	Rat	6040 mg/kg	-
LD50 Oral	Rat	11.4 g/kg	-
LD50 Dermal	Rabbit	1.7 g/kg	-
LD50 Oral	Rat	4.3 g/kg	-
LD50 Oral	Rat	2234 mg/kg	-
LD50 Dermal	Rabbit	>9400 mg/kg	-
LD50 Oral	Rat	>10000 mg/kg	-
LC50 Inhalation Vapor	Rat	39000 mg/m <sup>3</sup>	4 hours
LD50 Dermal	Rabbit	12.3 g/kg	-
LD50 Oral	Rat	2260 mg/kg	-
LC50 Inhalation Vapor	Rat	17.8 mg/l	4 hours
LD50 Dermal	Rabbit	17.8 g/kg	-
LD50 Oral	Rat	3.5 g/kg	-
	LD50 Oral LD50 Oral LD50 Oral LD50 Dermal LD50 Oral LD50 Oral LD50 Oral LD50 Oral LC50 Inhalation Vapor LD50 Oral LD50 Oral LD50 Oral LD50 Oral LD50 Dermal	LD50 OralRatLD50 OralRatLD50 OralRatLD50 OralRatLD50 OralRatLD50 OralRatLD50 OralRatLD50 DermalRatLD50 OralRatLD50 OralRatLD50 OralRatLD50 OralRatLD50 OralRatLD50 OralRatLD50 DermalRatLD50 DermalRatLD50 OralRatLD50 OralRatLD50 OralRatLD50 OralRatLD50 OralRatLD50 OralRatLD50 DermalRatLD50 DermalRatLD50 DermalRat	LD50 OralRat5000 mg/kgLD50 OralRat6040 mg/kgLD50 OralRat11.4 g/kgLD50 DermalRat1.7 g/kgLD50 OralRat4.3 g/kgLD50 OralRat2234 mg/kgLD50 OralRat2234 mg/kgLD50 DermalRat9400 mg/kgLD50 OralRat39000 mg/m3LD50 OralRat39000 mg/m3LD50 OralRat2260 mg/kgLD50 DermalRat17.8 mg/lLD50 OralRat17.8 g/kg

**Conclusion/Summary** : There are no data available on the mixture itself.

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
✔,4'-methylenediphenyl diisocyanate	Skin - Irritant	Rabbit	-	-	-
xylene	Skin - Moderate irritant	Rabbit	-	24 hours 500 mg	-

#### **Conclusion/Summary**

Eyes

There are no data available on the mixture itself.There are no data available on the mixture itself.

### Respiratory Sensitization

Product/ingredient name	Route of exposure	Species	Result	
4.4'-methylenediphenyl diisocyanate	Respiratory	Guinea pig	Sensitizing	
	skin	Mouse	Sensitizing	
methylenediphenyl diisocyanate	Respiratory	Guinea pig	Sensitizing	
	skin	Guinea pig	Sensitizing	
Skin	: There are no	data available on the m	ixture itself.	

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

#### **Mutagenicity**

Conclusion/Summary

: There are no data available on the mixture itself.

#### **Carcinogenicity**

Product/ingredient name	Result	Species	Dose	Exposure
✔,4'-methylenediphenyl diisocyanate	Positive - Inhalation - TC	Rat	0 to 6 mg/m <sup>3</sup>	2 years; 5 days per week

### Conclusion/Summary

: There are no data available on the mixture itself.

#### **Classification**

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### Section 11. Toxicological information

	1	1	
Product/ingredient name	OSHA	IARC	NTP
4'-methylenediphenyl diisocyanate diiron trioxide Isocyanic acid, polymethylenepolyphenylene ester	- - -	3 3 3	
xylene cumene ethylbenzene	- - -	3 2B 2B	- Reasonably anticipated to be a human carcinogen. -

Carcinogen Classification code:

IARC: 1, 2A, 2B, 3, 4

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

Reproductive toxicity

**Conclusion/Summary** : There are no data available on the mixture itself.

#### **Teratogenicity**

**Conclusion/Summary** : There are no data available on the mixture itself.

Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
Solvent naphtha (petroleum), light aromatic	Category 3	-	Narcotic effects
1,2,4-trimethylbenzene	Category 3	-	Respiratory tract irritation
4,4'-methylenediphenyl diisocyanate	Category 3	-	Respiratory tract irritation
Isocyanic acid, polymethylenepolyphenylene ester	Category 3	-	Respiratory tract irritation
mesitylene	Category 3	-	Respiratory tract irritation
propylbenzene	Category 3	-	Respiratory tract irritation
xylene	Category 3	-	Respiratory tract irritation
4-isocyanatosulphonyltoluene	Category 3	-	Respiratory tract irritation
methylenediphenyl diisocyanate	Category 3	-	Respiratory tract irritation
cumene	Category 3	-	Respiratory tract irritation

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

Name	Category	Route of exposure	Target organs
4,4'-methylenediphenyl diisocyanate	Category 2	inhalation	respiratory system
Isocyanic acid, polymethylenepolyphenylene ester	Category 2	inhalation	-
methylenediphenyl diisocyanate	Category 2	-	-
cumene	Category 2	-	-
ethylbenzene	Category 2		hearing organs

### Section 11. Toxicological information

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Target organs
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: 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, the nervous system, liver, upper respiratory tract, skin, eye, lens or cornea.

#### **Aspiration hazard**

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

#### Information on the likely routes of exposure

#### Potential acute health effects

Eye contact	: Causes serious eye irritation.
Inhalation	<ul> <li>Harmful if inhaled. Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. May cause respiratory irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.</li> </ul>
Skin contact	: Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.
Ingestion	: Can cause central nervous system (CNS) depression.

#### **Over-exposure signs/symptoms**

Eye contact	: 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 headache drowsiness/fatigue dizziness/vertigo unconsciousness
Skin contact	: Adverse symptoms may include the following: irritation redness dryness cracking
Ingestion	: No specific data.

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

### Product name DURETHANE MCZ Moisture Cure Zinc Red Compomnent A

# Section 11. Toxicological information

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. 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 effects	:	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	:	There are no data available on the mixture itself.
Potential delayed effects	1	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	:	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/l)
URETHANE MCZ Moisture Cure Zinc Red	16414.9	4042.7	N/A	24.8	3.0
Compomnent A					
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
4,4'-methylenediphenyl diisocyanate	9200	N/A	N/A	11	N/A
diiron trioxide	10000	N/A	N/A	N/A	N/A
Isocyanic acid, polymethylenepolyphenylene ester	49000	N/A	N/A	N/A	1.5
mesitylene	5000	N/A	N/A	24	N/A
propylbenzene	6040	N/A	N/A	N/A	N/A
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### Section 11. Toxicological information

0						
1,2,3-trimethylbenzene	11400	N/A	N/A	N/A	N/A	
xylene	4300	1700	N/A	11	1.5	
4-isocyanatosulphonyltoluene	2234	N/A	N/A	N/A	N/A	
methylenediphenyl diisocyanate	N/A	N/A	N/A	11	1.5	
cumene	2260	12300	N/A	39	N/A	
ethylbenzene	3500	17800	N/A	17.8	1.5	

# Section 12. Ecological information

### **Toxicity**

Product/ingredient name	Result	Species	Exposure
Solvent naphtha (petroleum), light aromatic	Acute LC50 8.2 mg/l	Fish	96 hours
diiron trioxide methylenediphenyl diisocyanate	Acute EC50 >100 mg/l Acute LC50 >100 mg/l	Daphnia Fish	48 hours 96 hours
ethylbenzene	Acute EC50 1.8 mg/l Fresh water Chronic NOEC 1 mg/l Fresh water	Daphnia Daphnia - <i>Ceriodaphnia dubia</i>	48 hours -

### Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
ethylbenzene	-	79 % - Readily - 10 days	-	-
Product/ingredient name	Aquatic half-life	Photoly	vsis	Biodegradability
vylene ethylbenzene	-	-		Readily Readily

#### **Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
7,2,4-trimethylbenzene	3.63	120.23	Low
4,4'-methylenediphenyl diisocyanate	4.51	-	High
mesitylene	3.42	186.21	Low
propylbenzene	3.69	-	Low
1,2,3-trimethylbenzene	3.66	194.98	Low
xylene	3.12	7.4 to 18.5	Low
methylenediphenyl diisocyanate	4.51	-	High
cumene	3.55	35.48	Low
ethylbenzene	3.6	79.43	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 nonrecyclable 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 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

### Section 14. Transport information

	TDG	IMDG	ΙΑΤΑ
UN number	UN1263	UN1263	UN1263
UN proper shipping name	PAINT	PAINT	PAINT
Transport hazard class (es)	3	3	3
Packing group	III	III	Ш
Environmental hazards	Yes.	Yes.	Yes. The environmentally hazardous substance mark is not required.
Marine pollutant substances	KSolvent naphtha (petroleum), light aromatic)	KSolvent naphtha (petroleum), light aromatic)	Not applicable.

#### **Additional information**

IMDG

- **TDG** : The marine pollutant mark is not required when transported by road or rail.
  - : The marine pollutant mark is not required when transported in sizes of  $\leq 5$  L or  $\leq 5$  kg.
- **IATA** : The environmentally hazardous substance mark may appear if required by other transportation regulations.

# Special precautions for user : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according : Not applicable. to IMO instruments

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### Section 14. Transport information

Proof of classification statement

: Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.18-2.19 (Class 3), 2.7 (Marine pollutant mark).

### Section 15. Regulatory information

National Inventory List

Canada inventory (DSL) : All components are listed or exempted.

### 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 issue/Date of revision	5 June 2024		
Organization that prepared : the SDS	EHS		
Key to abbreviations :	<ul> <li>ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = International Air Transport Association IBC = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) N/A = Not available SGG = Segregation Group UN = United Nations</li> </ul>		

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

#### **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.