# **SAFETY DATA SHEET**

GC70X00

#### Section 1. Identification **Product name** : Geocel® GeoBond® Roof Repair Fibered Brushable Coating Clear **Product code** : GC70X00 Other means of : Not available. identification **Product type** : Liquid. Relevant identified uses of the substance or mixture and uses advised against Paint or paint related material. Manufacturer : Geocel Products Group A Business Unit of the Sherwin-Williams Company 101 W. Prospect Avenue Cleveland, Ohio 44115 : Sherwin-Williams Canada Inc. **National contact** 180 Brunel Road Mississauga, Ontario L4Z 1T5 Canada **Emergency telephone** : US / Canada: (800) 424-9300 number of the company Mexico: SETIQ 800-00-214-00 / 55-5559-1588 Available 24 hours and 365 days a year **Product Information** : US / Canada: (800) 348-7615 Mexico: Not Available **Telephone Number** Transportation Emergency : US / Canada: (800) 424-9300 Mexico: SETIQ 800-00-214-00 / 55-5559-1588 Available 24 hours and 365 days a year **Telephone Number** Section 2. Hazards identification **Classification of the** : FLAMMABLE LIQUIDS - Category 3

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Signal word	: Danger	
Hazard pictograms		
GHS label elements		
	Percentage of the mixture consisting of ingredient(s) of ur (oral), 24.8% (dermal), 8.5% (inhalation)	nknown acute toxicity: 8.5%
	Category 3 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EX ASPIRATION HAZARD - Category 1	(POSURE) - Category 2
	irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPO	SURE) (Narcotic effects) -
	TOXIC TO REPRODUCTION - Category 2 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPO	SURE) (Respiratory tract
	SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2 CARCINOGENICITY - Category 2	28
substance or mixture	SKIN CORROSION/IRRITATION - Category 2	<b>7</b> A

Clear

# Section 2. Hazards identification

Hazard statements	<ul> <li>Flammable liquid and vapor. May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. May cause drowsiness or dizziness. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure.</li> </ul>
Precautionary statements	
General	: Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.
Prevention	: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating or lighting equipment. Use non-sparking tools. Take action to prevent static discharges. Use only outdoors or in a well-ventilated area. Do not breathe vapor. Wash thoroughly after handling.
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 SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting. 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 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	DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE. Contains solvents which can cause permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Please refer to the SDS for additional information. Keep out of reach of children. Do not
	transfer contents to other containers for storage.
Hazards not otherwise classified	: None known.

## Section 3. Composition/information on ingredients

Substance/mixture	: Mixture
Other means of	: Not available.
identification	

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

Ingredient name		% by weight	ht CAS number			
Light Aroma	atic Hydrocarbons			27.67	64742-95-6	
Hydrocarbo	n Polymer			16.68	-	
trimethylber	nzene			14.45	25551-13-7	
Styrene-Hyd	drocarbon Copolym	ner		6.71	9011-11-4	
1,3,5-Trime	1,3,5-Trimethylbenzene		6.02	108-67-8		
1,2,4-Trimethylbenzene		6.02	95-63-6			
Xylene, mixed isomers		1.81	1330-20-7			
Cumene				1.81	98-82-8	
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## Section 3. Composition/information on ingredients

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1,2,3-Trimethylbenzene	1.81	526-73-8
Ethylbenzene	0.6	100-41-4
Light Stabilizer	0.18	52829-07-9

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 and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

Description of necessary first	aid measures
Eye contact	: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
Inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Skin contact	: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	: Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important s	vmptoms/effects.	acute and delaved
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Potential acute health effect	<u>cts</u>
Eye contact	: Causes serious eye irritation.
Inhalation	<ul> <li>Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. May cause respiratory irritation.</li> </ul>
Skin contact	: Causes skin irritation.
Ingestion	: Can cause central nervous system (CNS) depression. May be fatal if swallowed and enters airways.
Over-exposure signs/symp	<u>ptoms</u>
Eye contact	: Adverse symptoms may include the following: pain or irritation watering

redness

# Section 4. First aid measures

Inhalation	: Adverse symptoms may include the following: respiratory tract irritation coughing nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness reduced fetal weight increase in fetal deaths skeletal malformations
Skin contact	: Adverse symptoms may include the following: irritation redness reduced fetal weight increase in fetal deaths skeletal malformations
Ingestion	: Adverse symptoms may include the following: nausea or vomiting reduced fetal weight increase in fetal deaths skeletal malformations
Indication of immediate r	nedical attention and special treatment needed, if necessary
Notes to physician	Treat symptomatically Contact poison treatment special

Notes to physician	<ul> <li>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</li> </ul>
Specific treatments	: No specific treatment.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

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 explos fire or if heated, a pressure increase will occur and the container may b of a subsequent explosion. The vapor/gas is heavier than air and will s ground. Vapors may accumulate in low or confined areas or travel a co distance to a source of ignition and flash back.	urst, with the risk pread along the
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide	
Special protective actions for fire-fighters	: Promptly isolate the scene by removing all persons from the vicinity of t there is a fire. No action shall be taken involving any personal risk or w training. Move containers from fire area if this can be done without risk spray to keep fire-exposed containers cool.	ithout suitable
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## Section 5. Fire-fighting measures

Special protective equipment for fire-fighters

Remark

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
 Elements a liquid

: Flammable liquid.

## 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	nt	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.
Large spill	:	Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

#### Precautions for safe handling

Protective measures	: Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not swallow. 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.
Advice on general occupational hygiene	: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

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## Section 7. Handling and storage

#### Conditions for safe storage, including any incompatibilities Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

## Section 8. Exposure controls/personal protection

#### **Control parameters**

**Occupational exposure limits (OSHA United States)** 

Ingredient name	CAS #	Exposure limits
Light Aromatic Hydrocarbons	64742-95-6	None.
Hydrocarbon Polymer		None.
trimethylbenzene	25551-13-7	ACGIH TLV (United States, 1/2023).
		[trimethyl benzene, isomers]
		TWA: 10 ppm 8 hours.
Styrene-Hydrocarbon Copolymer	9011-11-4	None.
1,3,5-Trimethylbenzene	108-67-8	ACGIH TLV (United States, 1/2023).
		[trimethyl benzene, isomers]
		TWA: 10 ppm 8 hours.
		NIOSH REL (United States, 10/2020).
		TWA: 25 ppm 10 hours.
	05 00 0	TWA: 125 mg/m <sup>3</sup> 10 hours.
1,2,4-Trimethylbenzene	95-63-6	NIOSH REL (United States, 10/2020).
		TWA: 25 ppm 10 hours.
		TWA: 125 mg/m <sup>3</sup> 10 hours. ACGIH TLV (United States, 1/2023).
Vulana mived icomore	1330-20-7	TWA: 10 ppm 8 hours. OSHA PEL (United States, 5/2018).
Xylene, mixed isomers	1330-20-7	
		[Xylenes (o-, m-, p-isomers)] TWA: 100 ppm 8 hours.
		TWA: 100 ppm 8 hours. TWA: 435 mg/m <sup>3</sup> 8 hours.
		ACGIH TLV (United States, 1/2023). [p-
		xylene and mixtures containing p-xylene]
		Ototoxicant.
		TWA: 20 ppm 8 hours.
Cumene	98-82-8	ACGIH TLV (United States, 1/2023).
Cullene	90-02-0	TWA: 5 ppm 8 hours.
		NIOSH REL (United States, 10/2020).
		Absorbed through skin.
		TWA: 50 ppm 10 hours.
		TWA: 245 mg/m <sup>3</sup> 10 hours.
		OSHA PEL (United States, 5/2018).
		Absorbed through skin.
		TWA: 50 ppm 8 hours.
		TWA: 245 mg/m <sup>3</sup> 8 hours.
1,2,3-Trimethylbenzene	526-73-8	ACGIH TLV (United States, 1/2023).
		[trimethyl benzene, isomers]
		TWA: 10 ppm 8 hours.
		NIOSH REL (United States, 10/2020).
		TWA: 25 ppm 10 hours.
		TWA: 125 mg/m <sup>3</sup> 10 hours.
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	-	
Ethylbenzene	100-41-4	ACGIH TLV (United States, 1/2023). Ototoxicant. TWA: 20 ppm 8 hours. NIOSH REL (United States, 10/2020). TWA: 100 ppm 10 hours. TWA: 435 mg/m <sup>3</sup> 10 hours. STEL: 125 ppm 15 minutes. STEL: 545 mg/m <sup>3</sup> 15 minutes. OSHA PEL (United States, 5/2018). TWA: 100 ppm 8 hours. TWA: 435 mg/m <sup>3</sup> 8 hours.
Light Stabilizer	52829-07-9	None.

### Occupational exposure limits (Canada)

Ingredient name	CAS #	Exposure limits
Trimethylbenzene	25551-13-7	<ul> <li>CA Alberta Provincial (Canada, 6/2018).</li> <li>[Trimethyl benzene (mixed isomers)] 8 hrs OEL: 123 mg/m<sup>3</sup> 8 hours. 8 hrs OEL: 25 ppm 8 hours.</li> <li>CA British Columbia Provincial (Canada, 6/2022).</li> <li>[Trimethyl benzene (mixed isomers)] TWA: 25 ppm 8 hours.</li> <li>CA Quebec Provincial (Canada, 6/2022).</li> <li>[Trimethyl benzene (mixture of isomers)] Skin sensitizer. Inhalation sensitizer. 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 mixed isomer] STEL: 30 ppm 15 minutes. TWA: 25 ppm 8 hours.</li> </ul>
Mesitylene	108-67-8	<ul> <li>CA Alberta Provincial (Canada, 6/2018).</li> <li>[Trimethyl benzene (mixed isomers)] 8 hrs OEL: 123 mg/m<sup>3</sup> 8 hours. 8 hrs OEL: 25 ppm 8 hours.</li> <li>CA British Columbia Provincial (Canada, 6/2022).</li> <li>[Trimethyl benzene (mixed isomers)] TWA: 25 ppm 8 hours.</li> <li>CA Quebec Provincial (Canada, 6/2022).</li> <li>[Trimethyl benzene (mixture of isomers)] Skin sensitizer. Inhalation sensitizer. 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 mixed isomer STEL: 30 ppm 15 minutes. TWA: 25 ppm 8 hours.</li> </ul>
1,2,4-Trimethylbenzene	95-63-6	CA Alberta Provincial (Canada, 6/2018). [Trimethyl benzene (mixed isomers)] 8 hrs OEL: 123 mg/m³ 8 hours.
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Xylene	1330-20-7	8 hrs OEL: 25 ppm 8 hours. CA British Columbia Provincial (Canada, 6/2022). [Trimethyl benzene (mixed isomers)] TWA: 25 ppm 8 hours. CA Quebec Provincial (Canada, 6/2022). [Trimethyl benzene (mixture of isomers)] 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 mixed isomer] STEL: 30 ppm 15 minutes. TWA: 25 ppm 8 hours. CA Alberta Provincial (Canada, 6/2018). [Dimethylbenzene (o,m & p isomers)] 8 hrs OEL: 100 ppm 8 hours. 15 min OEL: 651 mg/m <sup>3</sup> 15 minutes. 15 min OEL: 150 ppm 15 minutes. 8 hrs OEL: 434 mg/m <sup>3</sup> 8 hours.
		8 hrs OEL: 434 mg/m <sup>3</sup> 8 hours. CA British Columbia Provincial (Canada, 6/2022). [Xylene (o, m & p isomers)] TWA: 100 ppm 8 hours. STEL: 150 ppm 15 minutes. CA Quebec Provincial (Canada, 6/2022). [Xylene (o-,m-,p- isomers)] TWAEV: 100 ppm 8 hours. TWAEV: 434 mg/m <sup>3</sup> 8 hours. STEV: 434 mg/m <sup>3</sup> 8 hours. STEV: 434 mg/m <sup>3</sup> 15 minutes. STEV: 651 mg/m <sup>3</sup> 15 minutes. 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 (o, m-, p-isomers)] STEL: 150 ppm 15 minutes. TWA: 100 ppm 8 hours.
Cumene	98-82-8	CA Alberta Provincial (Canada, 6/2018). 8 hrs OEL: 50 ppm 8 hours. 8 hrs OEL: 246 mg/m <sup>3</sup> 8 hours. CA British Columbia Provincial (Canada, 6/2022). TWA: 25 ppm 8 hours. STEL: 75 ppm 15 minutes. CA Ontario Provincial (Canada, 6/2019). TWA: 50 ppm 8 hours. CA Quebec Provincial (Canada, 6/2022). TWAEV: 50 ppm 8 hours. TWAEV: 246 mg/m <sup>3</sup> 8 hours. CA Saskatchewan Provincial (Canada, 7/2013). STEL: 74 ppm 15 minutes. TWA: 50 ppm 8 hours.
Hemimellitene	526-73-8	CA Alberta Provincial (Canada, 6/2018).
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		<ul> <li>[Trimethyl benzene (mixed isomers)] 8 hrs OEL: 123 mg/m<sup>3</sup> 8 hours. 8 hrs OEL: 25 ppm 8 hours.</li> <li>CA British Columbia Provincial (Canada, 6/2022). [Trimethyl benzene (mixed isomers)] TWA: 25 ppm 8 hours.</li> <li>CA Quebec Provincial (Canada, 6/2022).</li> <li>[Trimethyl benzene (mixture of isomers)] Skin sensitizer. Inhalation sensitizer. 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 mixed isomer] STEL: 30 ppm 15 minutes. TWA: 25 ppm 8 hours.</li> </ul>
Ethylbenzene	100-41-4	<ul> <li>CA Alberta Provincial (Canada, 6/2018). 8 hrs OEL: 100 ppm 8 hours. 8 hrs OEL: 434 mg/m<sup>3</sup> 8 hours. 15 min OEL: 543 mg/m<sup>3</sup> 15 minutes. 15 min OEL: 125 ppm 15 minutes.</li> <li>CA British Columbia Provincial (Canada, 6/2022). TWA: 20 ppm 8 hours.</li> <li>CA Ontario Provincial (Canada, 6/2019). TWA: 20 ppm 8 hours.</li> <li>CA Quebec Provincial (Canada, 6/2022). TWAEV: 20 ppm 8 hours.</li> <li>CA Quebec Provincial (Canada, 6/2022). TWAEV: 20 ppm 8 hours.</li> <li>CA Saskatchewan Provincial (Canada, 7/2013). STEL: 125 ppm 15 minutes. TWA: 100 ppm 8 hours.</li> </ul>
Methyl alcohol	67-56-1	<ul> <li>CA Alberta Provincial (Canada, 6/2018).</li> <li>Absorbed through skin.</li> <li>8 hrs OEL: 262 mg/m<sup>3</sup> 8 hours.</li> <li>8 hrs OEL: 200 ppm 8 hours.</li> <li>15 min OEL: 250 ppm 15 minutes.</li> <li>15 min OEL: 328 mg/m<sup>3</sup> 15 minutes.</li> <li>CA British Columbia Provincial (Canada, 6/2022). Absorbed through skin.</li> <li>TWA: 200 ppm 8 hours.</li> <li>STEL: 250 ppm 15 minutes.</li> <li>CA Ontario Provincial (Canada, 6/2019).</li> <li>Absorbed through skin.</li> <li>TWA: 200 ppm 8 hours.</li> <li>STEL: 250 ppm 15 minutes.</li> <li>CA Quebec Provincial (Canada, 6/2022).</li> <li>Absorbed through skin.</li> <li>TWA: 200 ppm 8 hours.</li> <li>STEL: 250 ppm 15 minutes.</li> <li>CA Quebec Provincial (Canada, 6/2022).</li> <li>Absorbed through skin.</li> <li>TWAEV: 200 ppm 8 hours.</li> <li>STEV: 250 ppm 15 minutes.</li> <li>STEV: 250 ppm 15 minutes.</li> <li>STEV: 250 ppm 15 minutes.</li> <li>STEV: 328 mg/m<sup>3</sup> 15 minutes.</li> <li>CA Saskatchewan Provincial (Canada, 7/2013). Absorbed through skin.</li> <li>STEL: 250 ppm 15 minutes.</li> </ul>
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		TWA: 200 ppm 8 hours.	
Occupational exposure limits (Mexico	1		
Ingredient name	CAS #	Exposure limits	
trimethylbenzene	25551-13-7	NOM-010-STPS-2014 (Mexico, 4/2016). [Trimethyl benzene, mixed isomers]	
1,3,5-Trimethylbenzene	108-67-8	TWA: 25 ppm 8 hours. NOM-010-STPS-2014 (Mexico, 4/2016). [Trimethyl benzene, mixed isomers]	
1,2,4-Trimethylbenzene	95-63-6	TWA: 25 ppm 8 hours. NOM-010-STPS-2014 (Mexico, 4/2016). [Trimethyl benzene, mixed isomers]	
Xylene, mixed isomers	1330-20-7	TWA: 25 ppm 8 hours. <b>NOM-010-STPS-2014 (Mexico, 4/2016).</b> <b>[Xylenes (mixed)]</b> STEL: 150 ppm 15 minutes.	
Cumene	98-82-8	TWA: 100 ppm 8 hours. NOM-010-STPS-2014 (Mexico, 4/2016).	
1,2,3-Trimethylbenzene	526-73-8	TWA: 50 ppm 8 hours. NOM-010-STPS-2014 (Mexico, 4/2016). [Trimethyl benzene, mixed isomers] TWA: 25 ppm 8 hours.	

#### **Biological exposure indices (United States)**

Ingredient name	Exposure indices
Xylene, mixed isomers	ACGIH BEI (United States, 1/2023) [xylenes (technical or commercial grade)] BEI: 1.5 g/g creatinine, methylhippuric acids [in urine]. Sampling time: end of shift.
Ethylbenzene	<b>ACGIH BEI (United States, 1/2023)</b> BEI: 0.15 g/g creatinine, sum of mandelic acid and phenylglyoxylic acid [in urine]. Sampling time: end of shift.

#### **Biological exposure indices (Canada)**

No exposure indices known.

#### **Biological exposure indices (Mexico)**

Ingredient name	Exposure indices		
Xylene, mixed isomers	Official Mexican STANDARD NOM- 047-SSA1-2011, Environmental Health- Biological exposure indices for personnel occupationally exposed to chemical substances. (Mexico, 6/2012) [xylenes (technical or commercial grade)] BEI: 1.5 g/g creatinine, methyl hippuric acids [in urine]. Sampling time: at the end of the work shift.		

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.

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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 meas	ures
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. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection	: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of 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.
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	: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## Section 9. Physical and chemical properties

Clear

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

<u>Appearance</u>			
Physical state	: Liquid.		
Color	: Clear.		
Odor	: Not available.		
Odor threshold	: Not available.		
рН	: Not applicable.		
Melting point/freezing point	: Not available.		
Boiling point, initial boiling point, and boiling range	: 138°C (280.4°F)		
Flash point	: Closed cup: 43°C (109.4°F) [Pensky-Martens Closed Cup]		
Evaporation rate	: 0.53 (butyl acetate = 1)		
Flammability	: Flammable liquid.		
Lower and upper explosion limit/flammability limit	: Lower: 0.7% Upper: 7%		
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Section 9. Physica	Section 9. Physical and chemical properties				
Vapor pressure	: 1.3	kPa (10 mm Hg)			
Relative vapor density	: 3.6	: 3.66 [Air = 1]			
Relative density	: 0.9	1			
Solubility(ies)	:				
Media		Result			
cold water		Not soluble			
Partition coefficient: n- octanol/water	: Not	: Not applicable.			
Auto-ignition temperature	: Not	t available.			
Decomposition temperature	: Not	t available.			
Viscosity	: Kir	Kinematic (40°C (104°F)): <20.5 mm²/s (<20.5 cSt)			
Molecular weight	: No	t applicable.			
Heat of combustion	: 25.	635 kJ/g			

## Section 10. Stability and reactivity

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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	: Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapor to accumulate in low or confined areas.
Incompatible materials	: Reactive or incompatible with the following materials: oxidizing materials
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

## Information on toxicological effects

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Product/ingredient name	Result	Species	Dose	Exposure
Light Aromatic Hydrocarbons	LD50 Oral	Rat	8400 mg/kg	-
trimethylbenzene	LD50 Oral	Rat	8970 mg/kg	-
1,3,5-Trimethylbenzene	LC50 Inhalation Vapor	Rat	24000 mg/m <sup>3</sup>	4 hours
-	LD50 Oral	Rat	5000 mg/kg	-
1,2,4-Trimethylbenzene	LC50 Inhalation Vapor	Rat	18000 mg/m <sup>3</sup>	4 hours
•	LD50 Oral	Rat	5 g/kg	-
Xylene, mixed isomers	LC50 Inhalation Gas.	Rat	6700 ppm	4 hours
	LD50 Oral	Rat	4300 mg/kg	-
Cumene	LC50 Inhalation Vapor	Rat	39000 mg/m <sup>3</sup>	4 hours
	LD50 Oral	Rat	1400 mg/kg	-
Ethylbenzene	LD50 Dermal	Rabbit	>5000 mg/kg	-
-	LD50 Oral	Rat	3500 mg/kg	-
Light Stabilizer	LC50 Inhalation Vapor	Rat	500 mg/m <sup>3</sup>	4 hours

## Section 11. Toxicological information

Irritation/Corrosion					
Product/ingredient name	Result	Species	Score	Exposure	Observation
Light Aromatic Hydrocarbons	Eyes - Mild irritant	Rabbit	-	24 hours 100 uL	-
trimethylbenzene	Eyes - Mild irritant	Rabbit	-	24 hours 500	-
	Skin - Moderate irritant	Rabbit	-	mg 24 hours 500 mg	-
1,3,5-Trimethylbenzene	Eyes - Mild irritant	Rabbit	-	24 hours 500	-
	Skin - Moderate irritant	Rabbit	-	mg 24 hours 20 mg	-
Xylene, mixed isomers	Eyes - Mild irritant	Rabbit	-	87 mg	-
	Eyes - Severe irritant	Rabbit	-	24 hours 5 mg	-
	Skin - Mild irritant	Rat	-	8 hours 60 uL	-
	Skin - Moderate irritant	Rabbit	-	100 %	-
	Skin - Moderate irritant	Rabbit	-	24 hours 500 mg	-
Cumene	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Eyes - Mild irritant	Rabbit	-	86 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 10	-
	Skin - Moderate irritant	Rabbit	-	mg 24 hours 100	-
Ethylbenzene	Eyes - Severe irritant	Rabbit	-	mg 500 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 15 mg	-

## **Sensitization**

Not available.

#### **Mutagenicity**

Not available.

#### **Carcinogenicity**

Not available.

#### **Classification**

Product/ingredient name	OSHA	IARC	NTP
Xylene, mixed isomers	-	3	-
Cumene	-	2B	Reasonably anticipated to be a human carcinogen.
Ethylbenzene	-	2B	-

## Reproductive toxicity

Not available.

#### Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

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		T	
Name	Category	Route of exposure	Target organs
Light Aromatic Hydrocarbons	Category 3	-	Respiratory tract 🥄 irritation
	Category 3		Narcotic effects
1,3,5-Trimethylbenzene	Category 3	-	Respiratory tract irritation
1,2,4-Trimethylbenzene	Category 3	-	Respiratory tract irritation
Xylene, mixed isomers	Category 3	-	Respiratory tract irritation
Cumene	Category 3	-	Respiratory tract irritation
1,2,3-Trimethylbenzene	Category 3	-	Respiratory tract irritation
Ethylbenzene	Category 3	-	Respiratory tract irritation
	Category 3		Narcotic effects

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

Name		Route of exposure	Target organs
Light Aromatic Hydrocarbons	Category 2	-	-
Xylene, mixed isomers	Category 2	-	-
Ethylbenzene	Category 2	-	-

#### Aspiration hazard

Name	Result
Light Aromatic Hydrocarbons	ASPIRATION HAZARD - Category 1
trimethylbenzene	ASPIRATION HAZARD - Category 1
1,3,5-Trimethylbenzene	ASPIRATION HAZARD - Category 1
1,2,4-Trimethylbenzene	ASPIRATION HAZARD - Category 1
Xylene, mixed isomers	ASPIRATION HAZARD - Category 1
Cumene	ASPIRATION HAZARD - Category 1
1,2,3-Trimethylbenzene	ASPIRATION HAZARD - Category 1
Ethylbenzene	ASPIRATION HAZARD - Category 1

#### Information on the likely : Not available.

## routes of exposure

# Potential acute health effectsEye contact: Causes serious eye irritation.Inhalation: Can cause central nervous system (CNS) depression. May cause drowsiness or<br/>dizziness. May cause respiratory irritation.Skin contact: Causes skin irritation.Ingestion: Can cause central nervous system (CNS) depression. May be fatal if swallowed and<br/>enters airways.

Symptoms related to the ph	nysical, chemical and toxicological characteristics
Eye contact	: Adverse symptoms may include the following: pain or irritation watering redness

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Inhalation	:	Adverse symptoms may include the following: respiratory tract irritation coughing nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness reduced fetal weight increase in fetal deaths skeletal malformations
Skin contact	:	Adverse symptoms may include the following: irritation redness reduced fetal weight increase in fetal deaths skeletal malformations
Ingestion	:	Adverse symptoms may include the following: nausea or vomiting reduced fetal weight increase in fetal deaths skeletal malformations

Delayed and immediate eff	cts and also chronic effects from short and long term exposure
Short term exposure	
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Long term exposure	
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Potential chronic health ef	ects
Not available.	
General	: May cause damage to organs through prolonged or repeated exposure.
Carcinogenicity	: Suspected of causing cancer. Risk of cancer depends on duration and level o exposure.
Mutagenicity	: No known significant effects or critical hazards.
Teratogenicity	: No known significant effects or critical hazards.
Developmental effects	: No known significant effects or critical hazards.
Fertility effects	: Suspected of damaging fertility.

## Numerical measures of toxicity

Acute	toxicit	y estima	tes

Route	ATE value
Oral	3143.51 mg/kg
Dermal	45820.13 mg/kg
Inhalation (gases)	370967.41 ppm
Inhalation (vapors)	60.68 mg/l

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## Section 12. Ecological information

## **Toxicity**

Product/ingredient name	Result	Species	Exposure
trimethylbenzene	Acute LC50 5600 µg/l Marine water	Crustaceans - Palaemonetes	48 hours
1,3,5-Trimethylbenzene	Acute LC50 13000 µg/l Marine water	Crustaceans - <i>Cancer magister</i> - Zoea	48 hours
	Acute LC50 12520 µg/l Fresh water	Fish - Carassius auratus	96 hours
	Chronic NOEC 0.4 mg/l Fresh water	Daphnia - <i>Daphnia magna</i>	21 days
1,2,4-Trimethylbenzene	Acute LC50 4910 μg/l Marine water	Crustaceans - <i>Elasmopus</i> pectenicrus - Adult	48 hours
	Acute LC50 7720 µg/l Fresh water	Fish - Pimephales promelas	96 hours
Xylene, mixed isomers	Acute LC50 8500 µg/l Marine water	Crustaceans - <i>Palaemonetes</i> pugio	48 hours
	Acute LC50 13400 µg/l Fresh water	Fish - Pimephales promelas	96 hours
Cumene	Acute EC50 7.4 mg/l Marine water	Crustaceans - <i>Artemia sp</i> Nauplii	48 hours
	Acute EC50 10.6 mg/l Fresh water	Daphnia - <i>Daphnia magna -</i> Neonate	48 hours
	Acute LC50 2700 µg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
Ethylbenzene	Acute EC50 4900 µg/l Marine water	Algae - Skeletonema costatum	72 hours
2	Acute EC50 7700 µg/l Marine water	Algae - Skeletonema costatum	96 hours
	Acute EC50 6.53 mg/l Marine water	Crustaceans - <i>Artemia sp.</i> - Nauplii	48 hours
	Acute EC50 2.93 mg/l Fresh water	Daphnia - <i>Daphnia magna</i> - Neonate	48 hours
	Acute LC50 4200 µg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours

#### Persistence and degradability

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Light Aromatic Hydrocarbons	-	-	Readily
Xylene, mixed isomers	-	-	Readily
Ethylbenzene	-	-	Readily

## **Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
Light Aromatic Hydrocarbons	-	10 to 2500	High 🥄
1,3,5-Trimethylbenzene	-	161	Low
1,2,4-Trimethylbenzene	-	243	Low
Xylene, mixed isomers	-	8.1 to 25.9	Low
Cumene	-	35.48	Low
1,2,3-Trimethylbenzene	-	194.98	Low

#### Mobility in soil

Soil/water partition coefficient (Koc)

: Not available.

#### Other adverse effects

: No known significant effects or critical hazards.

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## Section 13. Disposal considerations

#### **Disposal methods**

: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	IATA	IMDG
UN number	UN1263	UN1263	UN1263	UN1263	UN1263
UN proper shipping name	PAINT	PAINT	PAINT	PAINT	PAINT. Marine pollutant (Light Aromatic Hydrocarbons, 1,2,4-Trimethylbenzen
Transport	3	3	3	3	3
hazard class(es)					
Packing group	III	Ш	111	111	Ш
Environmental hazards	No.	No.	No.	Yes. The environmentally hazardous substance mark is not required.	Yes.
Additional information	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	Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.18-2.19 (Class 3).		The environmentally hazardous substance mark may appear if required by other transportation regulations.	The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg. <u>Emergency</u> <u>schedules</u> F-E, S E

Section 14.	quantity.				
	ERG No.	ERG No.	ERG No.		
	128	128	128		
pecial precaution	cor mc sui to s of t dat	nsider container sizes de of transport (sea, a tably for that mode of shipment, and complia he person offering the	criptions are provided The presence of a shi air, etc.), does not indic transport. All packagin ance with the applicable product for transport. the trained on all of the r	pping description for ate that the product i g must be reviewed f e regulations is the so People loading and u isks deriving from the	a particular is packaged for suitability prior ole responsibility unloading
Section 15.	Regulations Not Prop	available.	: Not available.	ns.	
Section 15. International reconstruction Montreal Protoconstruction	according : Not s Prop Regulatory gulations col	available. <b>Der shipping name</b> T <b>information</b>	: Not available.	ns.	
International reconstruction International Reconstruction International Protocol Montreal Protocol Not listed.	according : Not s Prop Regulatory gulations col	available. Der shipping name	: Not available.	ns.	

## Section 16. Other information

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



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.

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## Section 16. Other information

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 SDSs 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.

Procedure used to derive the classification

Classification	Justification
FLAMMABLE LIQUIDS - Category 3	On basis of test data
SKIN CORROSION/IRRITATION - Category 2	Calculation method
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A	Calculation method
CARCINOGENICITY - Category 2	Calculation method
TOXIC TO REPRODUCTION - Category 2	Calculation method
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3	Calculation method
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3	Calculation method
SPEČIFÍC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2	Calculation method
ASPIRATION HAZARD - Category 1	Calculation method

**History** 

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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.

#### Notice to reader

It is recommended that each customer or recipient of this Safety Data Sheet (SDS) study it carefully and consult resources, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. This information is provided in good faith and believed to be accurate as of the effective date herein. However, no warranty, express or implied, is given. The information presented here applies only to the product as shipped. The addition of any material can change the composition, hazards and risks of the product. Products shall not be repackaged, modified, or tinted except as specifically instructed by the manufacturer, including but not limited to the incorporation of products not specified by the manufacturer, or the use or addition of products in proportions not specified by the manufacturer. Regulatory requirements are subject to change and may differ between various locations and jurisdictions. The customer/buyer/user is responsible to ensure that his activities comply with all country, federal, state, provincial or local laws. The conditions for use of the product are not under the control of the manufacturer; the customer/buyer/user is responsible to determine the conditions necessary for the safe use of this product. The customer/buyer/user should not use the product for any purpose other than the purpose shown in the applicable section of this SDS without first referring to the supplier and obtaining written handling instructions. Due to the proliferation of sources for information such as manufacturer-specific SDS, the manufacturer cannot be responsible for SDSs obtained from any other source.

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