

**1. Product and Company Identification**

<b>Product identifier</b>	<b>Brush on gel stain and topcoat</b>
<b>Other means of identification</b>	Not available
<b>Recommended use</b>	Gel stain and topcoat
<b>Recommended restrictions</b>	None known.
<b>Manufacturer information</b>	Homestead House Paint Company 101 Portland Street Etobicoke, ON M8Y 1B1 CA Website: homesteadhouse.ca Email: info@homesteadhouse.ca Phone: 416-504-9984 Emergency Phone: 24 hour contact number: Call CANUTEC: 1-888-226-8832
<b>Supplier</b>	See above.

**2. Hazards Identification**

<b>Physical hazards</b>	Flammable liquids	Category 3
<b>Health hazards</b>	Sensitization, skin	Category 1
	Carcinogenicity	Category 2
	Reproductive toxicity	Category 2
	Specific target organ toxicity, single exposure	Category 3 narcotic effects
	Specific target organ toxicity, repeated exposure	Category 1 (central nervous system)
<b>Environmental hazards</b>	Not classified.	
<b>WHMIS 2015 defined hazards</b>	Not classified	
<b>Label elements</b>		



<b>Signal word</b>	Danger
<b>Hazard statement</b>	Flammable liquid and vapor. May cause an allergic skin reaction. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. Causes damage to organs (central nervous system) through prolonged or repeated exposure. May cause drowsiness or dizziness.
<b>Precautionary statement</b>	
<b>Prevention</b>	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use non-sparking tools. Take action to prevent static discharges. Avoid breathing mist or vapor. Contaminated work clothing should not be allowed out of the workplace. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use only outdoors or in a well-ventilated area. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves, protective clothing and eye protection.
<b>Response</b>	In case of fire: Use appropriate media to extinguish. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. If skin irritation or rash occurs: Get medical attention. Take off contaminated clothing and wash it before reuse. Specific treatment (see information on this label). IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell. IF exposed or concerned: Get medical attention.
<b>Storage</b>	Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store locked up.
<b>Disposal</b>	Dispose of container in accordance with local, regional, national and international regulations.
<b>WHMIS 2015: Health Hazard(s) not otherwise classified (HHNOC)</b>	Combustible.

<b>WHMIS 2015: Physical Hazard(s) not otherwise classified (PHNOC)</b>	Combustible.
<b>Hazard(s) not otherwise classified (HNOC)</b>	Combustible.
<b>Supplemental information</b>	None.

### 3. Composition/Information on Ingredients

#### Mixture

Chemical name	Common name and synonyms	CAS number	%
Distillates (petroleum), light hydrotreated		64742-47-8	48.7
Solvent naphtha (petroleum), medium aliphatic		64742-88-7	21.89
Amorphous silica, precipitated		112926-00-8	5.81
Fuller's Earth		8031-18-3	3.02
Hexanoic acid, 2-ethyl-, cobalt(2++) salt		136-52-7	0.58
Benzene, ethyl-		100-41-4	0.5

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

### 4. First Aid Measures

<b>Inhalation</b>	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell.
<b>Skin contact</b>	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. If skin irritation or rash occurs: Get medical attention. Take off contaminated clothing and wash it before reuse. Specific treatment (see information on this label).
<b>Eye contact</b>	Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.
<b>Ingestion</b>	Rinse mouth. Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Obtain medical attention.
<b>Most important symptoms/effects, acute and delayed</b>	May cause drowsiness and dizziness. Narcosis. Headache. Nausea, vomiting. Diarrhea. Behavioral changes. Decrease in motor functions. Direct contact with eyes may cause temporary irritation. May cause an allergic skin reaction. Dermatitis. Rash. Prolonged exposure may cause chronic effects.
<b>Indication of immediate medical attention and special treatment needed</b>	Provide general supportive measures and treat symptomatically. Symptoms may be delayed.
<b>General information</b>	Take off all contaminated clothing immediately. IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse. Avoid contact with eyes and skin. Keep out of reach of children.

### 5. Fire Fighting Measures

<b>Suitable extinguishing media</b>	Water fog. Alcohol resistant foam. Dry chemical powder. Dry chemicals. Carbon dioxide.
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazards arising from the chemical</b>	Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.
<b>Special protective equipment and precautions for firefighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Fire-fighting equipment/instructions</b>	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. Cool containers exposed to heat with water spray and remove container, if no risk is involved.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>General fire hazards</b>	Flammable liquid and vapor.
<b>Hazardous combustion products</b>	May include and are not limited to: Oxides of carbon.

## 6. Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

### Methods and materials for containment and cleaning up

Use water spray to reduce vapors or divert vapor cloud drift. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools. Prevent entry into waterways, sewer, basements or confined areas.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

### Environmental precautions

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Avoid discharge into drains, water courses or onto the ground. Do not discharge into lakes, streams, ponds or public waters.

## 7. Handling and Storage

### Precautions for safe handling

Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Explosion-proof general and local exhaust ventilation. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Take precautionary measures against static discharges. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

Do not breathe the mist or vapor. Avoid contact with eyes, skin, and clothing. When using, do not eat, drink or smoke.

Pregnant or breastfeeding women must not handle this product.

Use only in well-ventilated areas. Avoid prolonged exposure. Wear appropriate personal protective equipment. Wash thoroughly after handling.

Use good industrial hygiene practices in handling this material.

### Conditions for safe storage, including any incompatibilities

Store locked up. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS). Keep away from heat and sources of ignition. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Keep out of reach of children.

## 8. Exposure Controls/Personal Protection

### Occupational exposure limits

#### Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

Components	Type	Value	Form
Benzene, ethyl- (CAS 100-41-4)	STEL	543 mg/m <sup>3</sup>	
		125 ppm	
	TWA	434 mg/m <sup>3</sup>	
Distillates (petroleum), light hydrotreated (CAS 64742-47-8)	TWA	100 ppm	
		200 mg/m <sup>3</sup>	Vapor.

#### Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

Components	Type	Value	Form
Amorphous silica, precipitated (CAS 112926-00-8)	TWA	4 mg/m <sup>3</sup>	Total
		1.5 mg/m <sup>3</sup>	Respirable.
Benzene, ethyl- (CAS 100-41-4)	TWA	20 ppm	

**Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)**

Components	Type	Value	Form
Distillates (petroleum), light hydrotreated (CAS 64742-47-8)	TWA	200 mg/m3	Non-aerosol.
Solvent naphtha (petroleum), medium aliphatic (CAS 64742-88-7)	TWA	200 mg/m3	Non-aerosol.

**Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)**

Components	Type	Value	Form
Benzene, ethyl- (CAS 100-41-4)	TWA	20 ppm	
Solvent naphtha (petroleum), medium aliphatic (CAS 64742-88-7)	TWA	200 mg/m3	Non-aerosol.

**Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)**

Components	Type	Value	Form
Benzene, ethyl- (CAS 100-41-4)	TWA	20 ppm	
Solvent naphtha (petroleum), medium aliphatic (CAS 64742-88-7)	TWA	200 mg/m3	Non-aerosol.

**Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment)**

Components	Type	Value	Form
Amorphous silica, precipitated (CAS 112926-00-8)	TWA	6 mg/m3	Respirable dust.
Benzene, ethyl- (CAS 100-41-4)	STEL	543 mg/m3	
		125 ppm	
	TWA	434 mg/m3	
		100 ppm	
Distillates (petroleum), light hydrotreated (CAS 64742-47-8)	TWA	1590 mg/m3	
		400 ppm	
Solvent naphtha (petroleum), medium aliphatic (CAS 64742-88-7)	TWA	1590 mg/m3	
		400 ppm	

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

Components	Type	Value
Benzene, ethyl- (CAS 100-41-4)	PEL	435 mg/m3
		100 ppm
Distillates (petroleum), light hydrotreated (CAS 64742-47-8)	PEL	400 mg/m3
		100 ppm
Solvent naphtha (petroleum), medium aliphatic (CAS 64742-88-7)	PEL	400 mg/m3
		100 ppm

**US. OSHA Table Z-3 (29 CFR 1910.1000)**

Components	Type	Value
Amorphous silica, precipitated (CAS 112926-00-8)	TWA	0.8 mg/m3
		20 mppcf

**US. ACGIH Threshold Limit Values**

Components	Type	Value	Form
Benzene, ethyl- (CAS 100-41-4)	TWA	20 ppm	
Solvent naphtha (petroleum), medium aliphatic (CAS 64742-88-7)	TWA	200 mg/m3	Non-aerosol.

**US. NIOSH: Pocket Guide to Chemical Hazards**

Components	Type	Value
Amorphous silica, precipitated (CAS 112926-00-8)	TWA	6 mg/m3
Benzene, ethyl- (CAS 100-41-4)	STEL	545 mg/m3
		125 ppm
	TWA	435 mg/m3
		100 ppm
Distillates (petroleum), light hydrotreated (CAS 64742-47-8)	TWA	100 mg/m3

**Biological limit values****ACGIH Biological Exposure Indices**

Components	Value	Determinant	Specimen	Sampling Time
Benzene, ethyl- (CAS 100-41-4)	0.15 g/g	Sum of mandelic acid and phenylglyoxylic acid	Creatinine in urine	*

\* - For sampling details, please see the source document.

**Exposure guidelines****Canada - Alberta OELs: Skin designation**

Benzene (CAS 71-43-2)	Can be absorbed through the skin.
Distillates (petroleum), light hydrotreated (CAS 64742-47-8)	Can be absorbed through the skin.
Solvent naphtha (petroleum), medium aliphatic (CAS 64742-88-7)	Can be absorbed through the skin.
Toluene (CAS 108-88-3)	Can be absorbed through the skin.

**Canada - British Columbia OELs: Skin designation**

Benzene (CAS 71-43-2)	Can be absorbed through the skin.
Distillates (petroleum), light hydrotreated (CAS 64742-47-8)	Can be absorbed through the skin.
Solvent naphtha (petroleum), medium aliphatic (CAS 64742-88-7)	Can be absorbed through the skin.

**Canada - Manitoba OELs: Skin designation**

Benzene (CAS 71-43-2)	Can be absorbed through the skin.
Solvent naphtha (petroleum), medium aliphatic (CAS 64742-88-7)	Can be absorbed through the skin.

**Canada - Ontario OELs: Skin designation**

Benzene (CAS 71-43-2)	Can be absorbed through the skin.
Solvent naphtha (petroleum), medium aliphatic (CAS 64742-88-7)	Can be absorbed through the skin.

**Canada - Quebec OELs: Skin designation**

Toluene (CAS 108-88-3)	Can be absorbed through the skin.
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**Canada - Saskatchewan OELs: Skin designation**

Distillates (petroleum), light hydrotreated (CAS 64742-47-8)	Can be absorbed through the skin.
Solvent naphtha (petroleum), medium aliphatic (CAS 64742-88-7)	Can be absorbed through the skin.
Toluene (CAS 108-88-3)	Can be absorbed through the skin.

**US ACGIH Threshold Limit Values: Skin designation**

Benzene (CAS 71-43-2)	Can be absorbed through the skin.
Solvent naphtha (petroleum), medium aliphatic (CAS 64742-88-7)	Can be absorbed through the skin.

**US. NIOSH: Pocket Guide to Chemical Hazards**

Benzene, (1-methylethyl)- (CAS 98-82-8)

Can be absorbed through the skin.

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

Benzene, (1-methylethyl)- (CAS 98-82-8)

Can be absorbed through the skin.

**Appropriate engineering controls**

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

**Individual protection measures, such as personal protective equipment****Eye/face protection**

Wear safety glasses with side shields (or goggles).

**Skin protection****Hand protection**

Impervious gloves. Confirm with reputable supplier first.

**Other**

Wear appropriate chemical resistant clothing. As required by employer code.

**Respiratory protection**

Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. Respirator should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134), CAN/CSA-Z94.4 and ANSI's standard for respiratory protection (Z88.2).

**Thermal hazards**

Not applicable.

**General hygiene considerations**

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. When using do not eat or drink.

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**9. Physical and Chemical Properties**


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<b>Appearance</b>	Viscous Liquid
<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>Color</b>	White / Colored
<b>Odor</b>	Paint
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	Not available.
<b>Pour point</b>	Not available.
<b>Specific gravity</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Flash point</b>	107.6 °F (42.0 °C) Tag Closed Cup
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	50 - 60 KU
<b>Other information</b>	
<b>Explosive properties</b>	Not explosive.
<b>Oxidizing properties</b>	Not oxidizing.

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## 10. Stability and Reactivity

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<b>Reactivity</b>	This product may react with strong oxidizing agents.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Conditions to avoid</b>	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Do not mix with other chemicals.
<b>Incompatible materials</b>	Strong oxidizing agents. Fluorine. Chlorine.
<b>Hazardous decomposition products</b>	May include and are not limited to: Oxides of carbon.

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## 11. Toxicological Information

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<b>Routes of exposure</b>	Eye, Skin contact, Inhalation, Ingestion.
<b>Information on likely routes of exposure</b>	
<b>Ingestion</b>	May cause stomach distress, nausea or vomiting.
<b>Inhalation</b>	May cause damage to organs through prolonged or repeated exposure by inhalation. May cause drowsiness and dizziness. Headache. Nausea, vomiting.
<b>Skin contact</b>	May cause an allergic skin reaction.
<b>Eye contact</b>	Direct contact with eyes may cause temporary irritation.
<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	May cause drowsiness and dizziness. Narcosis. Headache. Nausea, vomiting. Diarrhea. Behavioral changes. Decrease in motor functions. May cause an allergic skin reaction. Dermatitis. Rash.

### Information on toxicological effects

**Acute toxicity** Narcotic effects. May cause an allergic skin reaction.

### Components

### Species

### Test Results

Amorphous silica, precipitated (CAS 112926-00-8)

#### Acute

##### Dermal

LD50

Rabbit

> 5000 mg/kg, 24 Hours, ECHA  
> 2000 mg/kg, 24 Hours, ECHA

##### Inhalation

LC50

Rat

> 58.8 mg/L, 4 Hours, ECHA  
> 2.1 mg/L, 4 Hours, ECHA  
> 0.7 mg/L, 4 Hours, ECHA  
> 0.1 mg/L, 4 Hours, ECHA

##### Oral

LD50

Mouse

> 15000 mg/kg, HSDB  
> 3160 mg/kg, ECHA  
Rat  
> 22500 mg/kg, HSDB  
> 10000 mg/kg, ECHA  
> 5000 mg/kg, ECHA  
> 3300 mg/kg, ECHA

Benzene, ethyl- (CAS 100-41-4)

#### Acute

##### Dermal

LD50

Rabbit

17800 mg/kg, HSDB  
15380 mg/kg, CCOHS: Cheminfo  
17.8 ml/kg, 24 Hours, ECHA

##### Inhalation

LC50

Mouse

> 8000 ppm, 20 Minutes, ECHA

Rat

4000 ppm, 4 Hours, CCOHS: Cheminfo

##### Oral

LD50

Rat

5460 mg/kg, HSDB

Components	Species	Test Results
Distillates (petroleum), light hydrotreated (CAS 64742-47-8)		
<b>Acute</b>		3500 mg/kg, Sigma Aldrich
<i>Dermal</i>		5.5 g/kg, ECHA/HSDB
LD50	Rabbit	> 4000 mg/kg, 24 Hours, ECHA
		> 2000 mg/kg
		> 2000 mg/kg, 24 Hours, ECHA
<i>Inhalation</i>		
LC50	Cat	> 6.4 mg/L, 6 Hours, ECHA
	Rat	> 7.5 mg/L, 6 Hours, ECHA
		> 6 mg/L, 4 Hours, ECHA
		> 5.7 mg/L, 4 Hours, ECHA
		> 5.3 mg/L, 4 Hours, ECHA
		> 5.3 mg/L, 4 Hours, ECHA
		> 5.2 mg/L, 4 Hours, ECHA
		> 4.6 mg/L, 4 Hours, ECHA
		> 4.5 mg/L, 4 Hours, ECHA
		> 4.3 mg/L, 4 Hours, ECHA
		> 0.1 mg/L, 8 Hours, ECHA
		5.2 mg/l/4h, LOLI
<i>Oral</i>		
LD50	Rat	> 20000 mg/kg, ECHA
		> 5000 mg/kg, LOLI
		> 25 ml/kg
Fuller's Earth (CAS 8031-18-3)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Not available	
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Not available	
Hexanoic acid, 2-ethyl-, cobalt(2++) salt (CAS 136-52-7)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rat	> 2000 mg/kg, 24 Hours, ECHA
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Rat	3129 mg/kg, ECHA
Solvent naphtha (petroleum), medium aliphatic (CAS 64742-88-7)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	> 4000 mg/kg, 24 Hours
		> 2000 mg/kg
		> 2000 mg/kg, 24 Hours
		3000 mg/kg, NIOSH
<i>Inhalation</i>		
LC50	Cat	> 6.4 mg/L, 6 Hours

Components	Species	Test Results
	Rat	> 7.5 mg/L, 6 Hours > 6 mg/L, 4 Hours, ECHA > 5.7 mg/L, 4 Hours, ECHA > 5.3 mg/L, 4 Hours, ECHA > 5.3 mg/L, 4 Hours, ECHA > 5.2 mg/L, 4 Hours, ECHA > 4.6 mg/L, 4 Hours, ECHA > 4.5 mg/L, 4 Hours, ECHA > 4.3 mg/L, 4 Hours > 0.1 mg/L, 8 Hours 5.3 mg/l/4h, NIOSH
Oral LD50	Rat	> 20000 mg/kg > 5000 mg/kg, NIOSH > 25 ml/kg
<b>Skin corrosion/irritation</b>	Prolonged skin contact may cause temporary irritation.	
<b>Exposure minutes</b>	Not available.	
<b>Erythema value</b>	Not available.	
<b>Oedema value</b>	Not available.	
<b>Serious eye damage/eye irritation</b>	Direct contact with eyes may cause temporary irritation.	
<b>Corneal opacity value</b>	Not available.	
<b>Iris lesion value</b>	Not available.	
<b>Conjunctival reddening value</b>	Not available.	
<b>Conjunctival oedema value</b>	Not available.	
<b>Recover days</b>	Not available.	
<b>Respiratory or skin sensitization</b>		
<b>Canada - Alberta OELs: Irritant</b>		
Monoethanolamine (CAS 141-43-5)	Irritant	
<b>Respiratory sensitization</b>	Not a respiratory sensitizer.	
<b>Skin sensitization</b>	May cause an allergic skin reaction.	
<b>Mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.	
<b>Carcinogenicity</b>	Suspected of causing cancer. See below.	
<b>ACGIH Carcinogens</b>		
Benzene (CAS 71-43-2)	A1 Confirmed human carcinogen.	
Benzene, ethyl- (CAS 100-41-4)	A3 Confirmed animal carcinogen with unknown relevance to humans.	
Solvent naphtha (petroleum), medium aliphatic (CAS 64742-88-7)	A3 Confirmed animal carcinogen with unknown relevance to humans.	
<b>Canada - Alberta OELs: Carcinogen category</b>		
Benzene (CAS 71-43-2)	Confirmed human carcinogen.	
<b>Canada - Manitoba OELs: carcinogenicity</b>		
BENZENE (CAS 71-43-2)	Confirmed human carcinogen.	
ETHYL BENZENE (CAS 100-41-4)	Confirmed animal carcinogen with unknown relevance to humans.	
KEROSENE (NON-AEROSOL), AS TOTAL HYDROCARBON VAPOR (CAS 64742-88-7)	Confirmed animal carcinogen with unknown relevance to humans.	
<b>Canada - Quebec OELs: Carcinogen category</b>		
Benzene (CAS 71-43-2)	Detected carcinogenic effect in humans.	
<b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>		
Amorphous silica, precipitated (CAS 112926-00-8)	Volume 68 - 3 Not classifiable as to carcinogenicity to humans.	
Benzene (CAS 71-43-2)	Volume 29, Supplement 7, Volume 100F 1 Carcinogenic to humans.	
Benzene, (1-methylethyl)- (CAS 98-82-8)	Volume 101 - 2B Possibly carcinogenic to humans.	

Benzene, 1,2-dimethyl- (CAS 95-47-6)	Volume 47, Volume 71 - 3 Not classifiable as to carcinogenicity to humans.
Benzene, 1,3-dimethyl- (CAS 108-38-3)	Volume 47, Volume 71 - 3 Not classifiable as to carcinogenicity to humans.
Benzene, 1,4-dimethyl- (CAS 106-42-3)	Volume 47, Volume 71 - 3 Not classifiable as to carcinogenicity to humans.
Benzene, ethyl- (CAS 100-41-4)	Volume 77 - 2B Possibly carcinogenic to humans.
Toluene (CAS 108-88-3)	Volume 47, Volume 71 - 3 Not classifiable as to carcinogenicity to humans.

**US - California Proposition 65 - CRT: Listed date/Carcinogenic substance**

Benzene (CAS 71-43-2)
Benzene, (1-methylethyl)- (CAS 98-82-8)
Benzene, ethyl- (CAS 100-41-4)

**US NTP Report on Carcinogens: Anticipated carcinogen**

Benzene, (1-methylethyl)- (CAS 98-82-8)	Reasonably Anticipated to be a Human Carcinogen.
Hexanoic acid, 2-ethyl-, cobalt(2++) salt (CAS 136-52-7)	Reasonably Anticipated to be a Human Carcinogen.

**US NTP Report on Carcinogens: Known carcinogen**

Benzene (CAS 71-43-2)	Known To Be Human Carcinogen.
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**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Benzene (CAS 71-43-2)	Cancer
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<b>Reproductive toxicity</b>	Suspected of damaging fertility or the unborn child.
<b>Teratogenicity</b>	Not available.
<b>Specific target organ toxicity - single exposure</b>	May cause drowsiness and dizziness.
<b>Specific target organ toxicity - repeated exposure</b>	Causes damage to organs (central nervous system) through prolonged or repeated exposure.
<b>Aspiration hazard</b>	Not an aspiration hazard.
<b>Chronic effects</b>	Causes damage to organs through prolonged or repeated exposure. Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

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**12. Ecological Information**

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<b>Ecotoxicity</b>	See below		
<b>Ecotoxicological data</b>			
<b>Components</b>		<b>Species</b>	<b>Test Results</b>
Benzene, ethyl- (CAS 100-41-4)			
Algae	IC50	Algae	4.6 mg/L, 72 Hours
Crustacea	EC50	Daphnia	2.1 mg/L, 48 Hours
<b>Aquatic</b>			
Crustacea	EC50	Water flea (Daphnia magna)	1.37 - 4.4 mg/L, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas)	7.5 - 11 mg/L, 96 hours
Distillates (petroleum), light hydrotreated (CAS 64742-47-8)			
<b>Aquatic</b>			
Crustacea	EC50	Water flea (Daphnia pulex)	2.7 - 5.1 mg/L, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	2.9 mg/L, 96 hours
Solvent naphtha (petroleum), medium aliphatic (CAS 64742-88-7)			
Crustacea	EC50	Daphnia	100 mg/L, 48 Hours
<b>Aquatic</b>			
Crustacea	EC50	Water flea (Daphnia pulex)	2.7 - 5.1 mg/L, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	8.8 mg/L, 96 hours
			8.8 mg/L, 96 hours
<b>Persistence and degradability</b>	No data is available on the degradability of this product.		
<b>Bioaccumulative potential</b>			
<b>Mobility in soil</b>			
<b>Mobility in general</b>	No data available.		
<b>Other adverse effects</b>	Not available.		
	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation)		

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### 13. Disposal Considerations

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<b>Disposal instructions</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Local disposal regulations</b>	Dispose in accordance with all applicable regulations.
<b>Hazardous waste code</b>	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
<b>Waste from residues / unused products</b>	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
<b>Contaminated packaging</b>	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

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### 14. Transport Information

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**Transport of Dangerous Goods (TDG) Proof of Classification** Classification Method: Classified as per Part 2, Sections 2.1 – 2.8 of the Transportation of Dangerous Goods Regulations. If applicable, the technical name and the classification of the product will appear below.

**General** IMDG Regulated Marine Pollutant.

**U.S. Department of Transportation (DOT)**

**Basic shipping requirements:**

<b>UN number</b>	UN1993
<b>Proper shipping name</b>	Flammable liquids, n.o.s.
<b>Technical name</b>	Solvent naphtha (petroleum), medium aliphatic
<b>Hazard class</b>	3
<b>Packing group</b>	III
<b>Special provisions</b>	B1, B52, IB3, T4, TP1, TP29
<b>Packaging exceptions</b>	150
<b>Packaging non bulk</b>	203
<b>Packaging bulk</b>	242

**Transportation of Dangerous Goods (TDG - Canada)**

**Basic shipping requirements:**

<b>UN number</b>	UN1993
<b>Proper shipping name</b>	FLAMMABLE LIQUID, N.O.S.
<b>Technical name</b>	Solvent naphtha (petroleum), medium aliphatic
<b>Hazard class</b>	3
<b>Packing group</b>	III
<b>Special provisions</b>	16, 150

**DOT**



**TDG**



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### 15. Regulatory Information

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**Canadian federal regulations** This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

**Canada CEPA Schedule I: Listed substance**

2-Butanone, oxime (CAS 96-29-7)

Listed.

Benzene (CAS 71-43-2) Listed.  
Kaolin (CAS 1332-58-7) Listed.

**Canada DSL Challenge Substances: Listed substance**

2-Butanone, oxime (CAS 96-29-7) Listed.

**Canada NPRI VOCs with Additional Reporting Requirements: Mass reporting threshold/Identification Number**

Benzene (CAS 71-43-2) 1 TONNES  
Benzene, 1,2-dimethyl- (CAS 95-47-6) 1 TONNES  
Benzene, 1,3-dimethyl- (CAS 108-38-3) 1 TONNES  
Benzene, 1,4-dimethyl- (CAS 106-42-3) 1 TONNES  
Distillates (petroleum), light hydrotreated (CAS 64742-47-8) 1 TONNES  
Solvent naphtha (petroleum), medium aliphatic (CAS 64742-88-7) 1 TONNES  
Toluene (CAS 108-88-3) 1 TONNES

**Canada Priority Substances List (Second List): Listed substance**

Kaolin (CAS 1332-58-7) Listed.

**Export Control List (CEPA 1999, Schedule 3)**

Not listed.

**Greenhouse Gases**

Not listed.

**Precursor Control Regulations**

Toluene (CAS 108-88-3) Class B

**WHMIS 2015 Exemptions** Not applicable

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Benzene (CAS 71-43-2) Listed.  
Benzene, (1-methylethyl)- (CAS 98-82-8) Listed.  
Benzene, 1,2-dimethyl- (CAS 95-47-6) Listed.  
Benzene, 1,3-dimethyl- (CAS 108-38-3) Listed.  
Benzene, 1,4-dimethyl- (CAS 106-42-3) Listed.  
Benzene, ethyl- (CAS 100-41-4) Listed.  
Hexanoic acid, 2-ethyl-, cobalt(2++) salt (CAS 136-52-7) Listed.  
Toluene (CAS 108-88-3) Listed.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Benzene (CAS 71-43-2) Cancer  
Central nervous system  
Blood  
Aspiration  
Skin  
Eye  
respiratory tract irritation  
Flammability

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories** Immediate Hazard - Yes  
Delayed Hazard - Yes  
Fire Hazard - Yes  
Pressure Hazard - No  
Reactivity Hazard - No

**SARA 302 Extremely hazardous substance** No

**SARA 311/312 Hazardous chemical** No

**SARA 313 (TRI reporting)**

Chemical name	CAS number	% by wt.
Hexanoic acid, 2-ethyl-, cobalt(2++) salt	136-52-7	0.58
Benzene, ethyl-	100-41-4	0.5

**Other federal regulations**

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Benzene (CAS 71-43-2)  
Benzene, (1-methylethyl)- (CAS 98-82-8)  
Benzene, 1,2-dimethyl- (CAS 95-47-6)  
Benzene, 1,3-dimethyl- (CAS 108-38-3)

Benzene, 1,4-dimethyl- (CAS 106-42-3)  
Benzene, ethyl- (CAS 100-41-4)  
Hexanoic acid, 2-ethyl-, cobalt(2++) salt (CAS 136-52-7)  
Toluene (CAS 108-88-3)

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**US state regulations** See below

**US - California Hazardous Substances (Director's): Listed substance**

Amorphous silica, precipitated (CAS 112926-00-8) Listed.  
Benzene (CAS 71-43-2) Listed.  
Benzene, (1-methylethyl)- (CAS 98-82-8) Listed.  
Benzene, 1,2-dimethyl- (CAS 95-47-6) Listed.  
Benzene, 1,3-dimethyl- (CAS 108-38-3) Listed.  
Benzene, 1,4-dimethyl- (CAS 106-42-3) Listed.  
Benzene, ethyl- (CAS 100-41-4) Listed.  
Distillates (petroleum), light hydrotreated (CAS 64742-47-8) Listed.  
Hexanoic acid, 2-ethyl-, cobalt(2++) salt (CAS 136-52-7) Listed.  
Monoethanolamine (CAS 141-43-5) Listed.  
Solvent naphtha (petroleum), medium aliphatic (CAS 64742-88-7) Listed.  
Toluene (CAS 108-88-3) Listed.

**US - Illinois Chemical Safety Act: Listed substance**

Benzene (CAS 71-43-2)  
Benzene, (1-methylethyl)- (CAS 98-82-8)  
Benzene, 1,2-dimethyl- (CAS 95-47-6)  
Benzene, 1,3-dimethyl- (CAS 108-38-3)  
Benzene, 1,4-dimethyl- (CAS 106-42-3)  
Benzene, ethyl- (CAS 100-41-4)  
Hexanoic acid, 2-ethyl-, cobalt(2++) salt (CAS 136-52-7)  
Toluene (CAS 108-88-3)

**US - Louisiana Spill Reporting: Listed substance**

Benzene (CAS 71-43-2) Listed.  
Benzene, (1-methylethyl)- (CAS 98-82-8) Listed.  
Benzene, 1,2-dimethyl- (CAS 95-47-6) Listed.  
Benzene, 1,3-dimethyl- (CAS 108-38-3) Listed.  
Benzene, 1,4-dimethyl- (CAS 106-42-3) Listed.  
Benzene, ethyl- (CAS 100-41-4) Listed.  
Hexanoic acid, 2-ethyl-, cobalt(2++) salt (CAS 136-52-7) Listed.  
Toluene (CAS 108-88-3) Listed.

**US - Michigan Critical Materials Register: Parameter number**

Benzene (CAS 71-43-2)  
Benzene, 1,2-dimethyl- (CAS 95-47-6)  
Benzene, 1,3-dimethyl- (CAS 108-38-3)  
Benzene, 1,4-dimethyl- (CAS 106-42-3)  
Toluene (CAS 108-88-3)

**US - Minnesota Haz Subs: Listed substance**

2-Butanone, oxime (CAS 96-29-7) Listed.  
Amorphous silica, precipitated (CAS 112926-00-8) Listed.  
Benzene (CAS 71-43-2) Listed.  
Benzene, (1-methylethyl)- (CAS 98-82-8) Listed.  
Benzene, 1,2-dimethyl- (CAS 95-47-6) Listed.  
Benzene, 1,3-dimethyl- (CAS 108-38-3) Listed.  
Benzene, 1,4-dimethyl- (CAS 106-42-3) Listed.  
Benzene, ethyl- (CAS 100-41-4) Listed.  
Distillates (petroleum), light hydrotreated (CAS 64742-47-8) Listed.  
Kaolin (CAS 1332-58-7) Listed.  
Monoethanolamine (CAS 141-43-5) Listed.  
Solvent naphtha (petroleum), medium aliphatic (CAS 64742-88-7) Listed.  
Toluene (CAS 108-88-3) Listed.

**US - New Jersey RTK - Substances: Listed substance**

Amorphous silica, precipitated (CAS 112926-00-8)  
Benzene (CAS 71-43-2)  
Benzene, (1-methylethyl)- (CAS 98-82-8)  
Benzene, 1,2-dimethyl- (CAS 95-47-6)

Benzene, 1,3-dimethyl- (CAS 108-38-3)  
Benzene, 1,4-dimethyl- (CAS 106-42-3)  
Benzene, ethyl- (CAS 100-41-4)  
Hexanoic acid, 2-ethyl-, cobalt(2++) salt (CAS 136-52-7)  
Kaolin (CAS 1332-58-7)  
Monoethanolamine (CAS 141-43-5)  
Toluene (CAS 108-88-3)

**US - North Carolina Toxic Air Pollutants: Listed substance**

Benzene (CAS 71-43-2)  
Benzene, 1,2-dimethyl- (CAS 95-47-6)  
Benzene, 1,3-dimethyl- (CAS 108-38-3)  
Benzene, 1,4-dimethyl- (CAS 106-42-3)  
Toluene (CAS 108-88-3)

**US - Pennsylvania RTK - Hazardous Substances: Special hazard**

Benzene (CAS 71-43-2)

**US - Texas Effects Screening Levels: Listed substance**

2-Butanone, oxime (CAS 96-29-7)	Listed.
Amorphous silica, precipitated (CAS 112926-00-8)	Listed.
Benzene (CAS 71-43-2)	Listed.
Benzene, (1-methylethyl)- (CAS 98-82-8)	Listed.
Benzene, 1,2-dimethyl- (CAS 95-47-6)	Listed.
Benzene, 1,3-dimethyl- (CAS 108-38-3)	Listed.
Benzene, 1,4-dimethyl- (CAS 106-42-3)	Listed.
Benzene, ethyl- (CAS 100-41-4)	Listed.
Distillates (petroleum), light hydrotreated (CAS 64742-47-8)	Listed.
Fuller's Earth (CAS 8031-18-3)	Listed.
Hexanoic acid, 2-ethyl-, cobalt(2++) salt (CAS 136-52-7)	Listed.
Kaolin (CAS 1332-58-7)	Listed.
Monoethanolamine (CAS 141-43-5)	Listed.
Solvent naphtha (petroleum), medium aliphatic (CAS 64742-88-7)	Listed.
Toluene (CAS 108-88-3)	Listed.

**US - Washington Chemical of High Concern to Children: Listed substance**

Benzene (CAS 71-43-2)  
Benzene, ethyl- (CAS 100-41-4)  
Hexanoic acid, 2-ethyl-, cobalt(2++) salt (CAS 136-52-7)  
Toluene (CAS 108-88-3)

**US. Massachusetts RTK - Substance List**

Amorphous silica, precipitated (CAS 112926-00-8)  
Benzene (CAS 71-43-2)  
Benzene, (1-methylethyl)- (CAS 98-82-8)  
Benzene, 1,2-dimethyl- (CAS 95-47-6)  
Benzene, 1,3-dimethyl- (CAS 108-38-3)  
Benzene, 1,4-dimethyl- (CAS 106-42-3)  
Benzene, ethyl- (CAS 100-41-4)  
Distillates (petroleum), light hydrotreated (CAS 64742-47-8)  
Kaolin (CAS 1332-58-7)  
Monoethanolamine (CAS 141-43-5)  
Toluene (CAS 108-88-3)

**US. New Jersey Worker and Community Right-to-Know Act**

Benzene (CAS 71-43-2)  
Benzene, (1-methylethyl)- (CAS 98-82-8)  
Benzene, 1,2-dimethyl- (CAS 95-47-6)  
Benzene, 1,3-dimethyl- (CAS 108-38-3)  
Benzene, 1,4-dimethyl- (CAS 106-42-3)  
Benzene, ethyl- (CAS 100-41-4)  
Distillates (petroleum), light hydrotreated (CAS 64742-47-8)  
Hexanoic acid, 2-ethyl-, cobalt(2++) salt (CAS 136-52-7)  
Solvent naphtha (petroleum), medium aliphatic (CAS 64742-88-7)  
Toluene (CAS 108-88-3)

**US. Pennsylvania Worker and Community Right-to-Know Law**

Benzene (CAS 71-43-2)  
Benzene, (1-methylethyl)- (CAS 98-82-8)  
Benzene, 1,2-dimethyl- (CAS 95-47-6)  
Benzene, 1,3-dimethyl- (CAS 108-38-3)  
Benzene, 1,4-dimethyl- (CAS 106-42-3)  
Benzene, ethyl- (CAS 100-41-4)

Distillates (petroleum), light hydrotreated (CAS 64742-47-8)  
 Hexanoic acid, 2-ethyl-, cobalt(2++) salt (CAS 136-52-7)  
 Kaolin (CAS 1332-58-7)  
 Monoethanolamine (CAS 141-43-5)  
 Toluene (CAS 108-88-3)

**US. Rhode Island RTK**

Benzene (CAS 71-43-2)  
 Benzene, (1-methylethyl)- (CAS 98-82-8)  
 Benzene, 1,2-dimethyl- (CAS 95-47-6)  
 Benzene, 1,3-dimethyl- (CAS 108-38-3)  
 Benzene, 1,4-dimethyl- (CAS 106-42-3)  
 Benzene, ethyl- (CAS 100-41-4)  
 Kaolin (CAS 1332-58-7)  
 Monoethanolamine (CAS 141-43-5)  
 Toluene (CAS 108-88-3)

**US. California Proposition 65**



**WARNING:** This product can expose you to chemicals including Benzene, ethyl-, which is known to the State of California to cause cancer, and Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**US - California Proposition 65 - CRT: Listed date/Carcinogenic substance**

Benzene (CAS 71-43-2) Listed: February 27, 1987  
 Benzene, (1-methylethyl)- (CAS 98-82-8) Listed: April 6, 2010  
 Benzene, ethyl- (CAS 100-41-4) Listed: June 11, 2004

**US - California Proposition 65 - CRT: Listed date/Developmental toxin**

Benzene (CAS 71-43-2) Listed: December 26, 1997  
 Toluene (CAS 108-88-3) Listed: January 1, 1991

**US - California Proposition 65 - CRT: Listed date/Male reproductive toxin**

Benzene (CAS 71-43-2) Listed: December 26, 1997

**Inventory status**

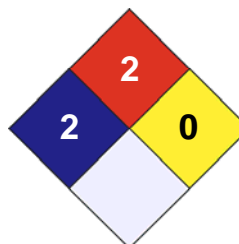
Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

**16. Other Information**

LEGEND	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

<b>HEALTH</b>	* 2
<b>FLAMMABILITY</b>	2
<b>PHYSICAL HAZARD</b>	0
<b>PERSONAL PROTECTION</b>	X



**Disclaimer**

The information in the sheet was written based on the best knowledge and experience currently available. Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

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**Prepared by**

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**Other information**

For an updated SDS, please contact the supplier/manufacturer listed on the first page of the document.