

1. Product and Company Identification

Product identifier	Spray-N-Bond (4369-75)
Other means of identification	Not available
Recommended use	Adhesive.
Recommended restrictions	None known.
Manufacturer information	Nu-Calgon 2611 Schuetz Road St. Louis, MO 63043 US Phone: 314-469-7000 / 800-554-5499 Emergency Phone: 1-800-424-9300 (CHEMTREC)
Supplier	See above.

2. Hazards Identification

Physical hazards	Flammable aerosols	Category 1
	Gases under pressure	Liquefied gas
Health hazards	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2
	Sensitization, skin	Category 1
	Reproductive toxicity	Category 2
	Specific target organ toxicity, single exposure	Category 3 narcotic effects
	Aspiration hazard	Category 1
Environmental hazards	Not classified.	
WHMIS 2015 defined hazards	Not classified	
Label elements		



Signal word Danger

Hazard statement Extremely flammable aerosol. Contains gas under pressure; may explode if heated. May be fatal if swallowed and enters airways. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause drowsiness or dizziness. Suspected of damaging fertility or the unborn child.

Precautionary statement

Prevention Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Contaminated work clothing should not be allowed out of the workplace. Use only outdoors or in a well-ventilated area. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing gas.

Response IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting.
 IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. Specific treatment (see information on this label).
 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/attention.
 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
 IF exposed or concerned: Get medical advice/attention.

Storage Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store locked up. Store in a well-ventilated place.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

WHMIS 2015: Health Hazard(s) not otherwise classified (HHNOC) None known

WHMIS 2015: Physical Hazard(s) not otherwise classified (PHNOC)	None known
Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	None.

3. Composition/Information on Ingredients

Mixture

Chemical name	Common name and synonyms	CAS number	%
Acetone		67-64-1	20-30
Propane		74-98-6	20-30
Butane		106-97-8	10-30
Naphtha (petroleum), hydrotreated light		64742-49-0	10-30
1,3-butadiene, 2-methyl-, Homopolymer, Maleated		841251-34-1	1-5
Methyl acetate		79-20-9	1-5

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

Composition comments US GHS: The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

4. First Aid Measures

Inhalation	IF inhaled: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
Skin contact	IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. Specific treatment (see information on this label).
Eye contact	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/attention.
Ingestion	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.
Most important symptoms/effects, acute and delayed	Aspiration may cause pulmonary edema and pneumonitis. May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Symptoms may be delayed.
General information	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

Suitable extinguishing media	Water fog. Alcohol resistant foam. Dry chemical powder. Carbon dioxide.
Unsuitable extinguishing media	Not available.
Specific hazards arising from the chemical	Contents under pressure. Pressurized container may explode when exposed to heat or flame. During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Not available.
Fire-fighting equipment/instructions	In case of fire: Stop leak if safe to do so. Do not move cargo or vehicle if cargo has been exposed to heat. Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. Cool containers exposed to flames with water until well after the fire is out. In the event of fire and/or explosion do not breathe fumes.
General fire hazards	Extremely flammable aerosol. Contents under pressure. Pressurized container may explode when exposed to heat or flame.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). Wear appropriate protective equipment and clothing during clean-up. Avoid breathing gas. Emergency personnel need self-contained breathing equipment. 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

Refer to attached safety data sheets and/or instructions for use. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS.

Environmental precautions

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

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not smoke while using or until sprayed surface is thoroughly dry. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Do not re-use empty containers. Avoid breathing gas. Avoid contact with eyes, skin, and clothing. 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. When using do not eat or drink.

Conditions for safe storage, including any incompatibilities

Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not handle or store near an open flame, heat or other sources of ignition. Do not puncture, incinerate or crush. Store in a well-ventilated place. Cylinders should be stored upright, with valve protection cap in place, and firmly secured to prevent falling or being knocked over. 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
Acetone (CAS 67-64-1)	STEL	1800 mg/m3 750 ppm
	TWA	1200 mg/m3 500 ppm
Benzene, ethenyl- (CAS 100-42-5)	STEL	170 mg/m3 40 ppm
	TWA	85 mg/m3 20 ppm
Butane (CAS 106-97-8)	TWA	1000 ppm
Methyl acetate (CAS 79-20-9)	STEL	757 mg/m3 250 ppm
	TWA	606 mg/m3 200 ppm
Naphtha (petroleum), hydrotreated light (CAS 64742-49-0)	TWA	1590 mg/m3 400 ppm
	TWA	1000 ppm

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

Components	Type	Value
Acetone (CAS 67-64-1)	STEL	500 ppm
	TWA	250 ppm
Benzene, ethenyl- (CAS 100-42-5)	STEL	75 ppm
	TWA	50 ppm
Butane (CAS 106-97-8)	STEL	750 ppm
	TWA	600 ppm
Methyl acetate (CAS 79-20-9)	STEL	250 ppm
	TWA	200 ppm
Propane (CAS 74-98-6)	TWA	1000 ppm

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

Components	Type	Value
Acetone (CAS 67-64-1)	STEL	500 ppm
	TWA	250 ppm
Benzene, ethenyl- (CAS 100-42-5)	STEL	40 ppm
	TWA	20 ppm
Butane (CAS 106-97-8)	STEL	1000 ppm
Methyl acetate (CAS 79-20-9)	STEL	250 ppm
	TWA	200 ppm

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

Components	Type	Value
Acetone (CAS 67-64-1)	STEL	750 ppm
	TWA	500 ppm
Benzene, ethenyl- (CAS 100-42-5)	STEL	100 ppm
	TWA	35 ppm
Butane (CAS 106-97-8)	TWA	800 ppm
Methyl acetate (CAS 79-20-9)	STEL	250 ppm
	TWA	200 ppm
Propane (CAS 74-98-6)	TWA	1000 ppm

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

Components	Type	Value
Acetone (CAS 67-64-1)	STEL	2380 mg/m3
		1000 ppm
	TWA	1190 mg/m3
Benzene, ethenyl- (CAS 100-42-5)	STEL	500 ppm
		426 mg/m3
	TWA	100 ppm
Butane (CAS 106-97-8)	TWA	213 mg/m3
		50 ppm
	TWA	1900 mg/m3
Methyl acetate (CAS 79-20-9)	STEL	800 ppm
		757 mg/m3
	TWA	250 ppm
Methyl acetate (CAS 79-20-9)	TWA	606 mg/m3
		200 ppm

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

Components	Type	Value
Naphtha (petroleum), hydrotreated light (CAS 64742-49-0)	TWA	1590 mg/m3
		400 ppm
Propane (CAS 74-98-6)	TWA	1800 mg/m3
		1000 ppm

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

Components	Type	Value
Acetone (CAS 67-64-1)	PEL	2400 mg/m3
		1000 ppm
Methyl acetate (CAS 79-20-9)	PEL	610 mg/m3
		200 ppm
Naphtha (petroleum), hydrotreated light (CAS 64742-49-0)	PEL	400 mg/m3
		100 ppm
Propane (CAS 74-98-6)	PEL	1800 mg/m3
		1000 ppm

US. OSHA Table Z-2 (29 CFR 1910.1000)

Components	Type	Value
Benzene, ethenyl- (CAS 100-42-5)	Ceiling	200 ppm
	TWA	100 ppm

US. ACGIH Threshold Limit Values

Components	Type	Value
Acetone (CAS 67-64-1)	STEL	500 ppm
	TWA	250 ppm
Benzene, ethenyl- (CAS 100-42-5)	STEL	40 ppm
	TWA	20 ppm
Butane (CAS 106-97-8)	STEL	1000 ppm
Methyl acetate (CAS 79-20-9)	STEL	250 ppm
	TWA	200 ppm

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Acetone (CAS 67-64-1)	TWA	590 mg/m3
		250 ppm
Benzene, ethenyl- (CAS 100-42-5)	STEL	425 mg/m3
		100 ppm
	TWA	215 mg/m3
Butane (CAS 106-97-8)		50 ppm
	TWA	1900 mg/m3
Methyl acetate (CAS 79-20-9)		800 ppm
	STEL	760 mg/m3
		250 ppm
Naphtha (petroleum), hydrotreated light (CAS 64742-49-0)	TWA	610 mg/m3
		200 ppm
		400 mg/m3
Propane (CAS 74-98-6)		100 ppm
	TWA	1800 mg/m3
		1000 ppm

Biological limit values

ACGIH Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling Time
Acetone (CAS 67-64-1)	25 mg/L	Acetone	Urine	*
Benzene, ethenyl- (CAS 100-42-5)	40 µg/l	Styrene	Urine	*
	400 mg/g	Mandelic acid plus 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.
Methanol (CAS 67-56-1)	Can be absorbed through the skin.
Naphthalene (CAS 91-20-3)	Can be absorbed through the skin.
Phenol (CAS 108-95-2)	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.
Methanol (CAS 67-56-1)	Can be absorbed through the skin.
Naphthalene (CAS 91-20-3)	Can be absorbed through the skin.
Phenol (CAS 108-95-2)	Can be absorbed through the skin.

Canada - Manitoba OELs: Skin designation

Benzene (CAS 71-43-2)	Can be absorbed through the skin.
Methanol (CAS 67-56-1)	Can be absorbed through the skin.
Naphthalene (CAS 91-20-3)	Can be absorbed through the skin.
Phenol (CAS 108-95-2)	Can be absorbed through the skin.

Canada - Ontario OELs: Skin designation

Benzene (CAS 71-43-2)	Can be absorbed through the skin.
Methanol (CAS 67-56-1)	Can be absorbed through the skin.
Naphthalene (CAS 91-20-3)	Can be absorbed through the skin.
Phenol (CAS 108-95-2)	Can be absorbed through the skin.

Canada - Quebec OELs: Skin designation

Benzene, ethenyl- (CAS 100-42-5)	Can be absorbed through the skin.
Methanol (CAS 67-56-1)	Can be absorbed through the skin.
Phenol (CAS 108-95-2)	Can be absorbed through the skin.
Toluene (CAS 108-88-3)	Can be absorbed through the skin.

Canada - Saskatchewan OELs: Skin designation

Methanol (CAS 67-56-1)	Can be absorbed through the skin.
Naphthalene (CAS 91-20-3)	Can be absorbed through the skin.
Phenol (CAS 108-95-2)	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.
Methanol (CAS 67-56-1)	Can be absorbed through the skin.
Naphthalene (CAS 91-20-3)	Can be absorbed through the skin.
Phenol (CAS 108-95-2)	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.
Methanol (CAS 67-56-1)	Can be absorbed through the skin.
Phenol (CAS 108-95-2)	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.
Phenol (CAS 108-95-2)	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. Use of an impervious apron is recommended. 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	When using do not smoke. 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. Contaminated work clothing should not be allowed out of the workplace. When using do not eat or drink.

9. Physical and Chemical Properties

Appearance	Clear
Physical state	Gas.
Form	Spray
Color	Yellow
Odor	Solvent
Odor threshold	Not available.
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Pour point	Not available.
Specific gravity	0.84
Partition coefficient (n-octanol/water)	Not available.
Flash point	-156.0 °F (-104.4 °C) (Propellant)
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	135 - 155 psi @ 130°F 65 - 85 psi @ 70°F
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	7 - 200 cps
Other information	
Explosive properties	Not explosive.
Flame projection	32 in
Flammability (flash back)	2 Yes
Heat of combustion	> 30 kJ/g
Oxidizing properties	Not oxidizing.

10. Stability and Reactivity

Reactivity	This product may react with strong oxidizing agents.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Chemical stability	Material is stable under normal conditions.

Conditions to avoid	Do not mix with other chemicals.
Incompatible materials	Strong oxidizing agents. Nitrates. Fluorine. Chlorine.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon.

11. Toxicological Information

Routes of exposure Eye, Skin contact, Inhalation, Ingestion.

Information on likely routes of exposure

Ingestion	Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia. May cause stomach distress, nausea or vomiting.
Inhalation	May cause drowsiness and dizziness. Headache. Nausea, vomiting. Prolonged inhalation may be harmful.
Skin contact	Causes skin irritation. May cause an allergic skin reaction.
Eye contact	Causes serious eye irritation.

Symptoms related to the physical, chemical and toxicological characteristics Aspiration may cause pulmonary edema and pneumonitis. May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.

Information on toxicological effects

Acute toxicity May be fatal if swallowed and enters airways. Narcotic effects. May cause an allergic skin reaction.

Components	Species	Test Results
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1,3-butadiene, 2-methyl-, Homopolymer, Maleated (CAS 841251-34-1)

Acute

Dermal

LD50 Not available

Inhalation

LC50 Not available

Oral

LD50 Not available

Acetone (CAS 67-64-1)

Acute

Dermal

LD50	Rabbit	15800 mg/kg 20 ml/kg
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Inhalation

LC50	Mouse	44000 mg/m ³ /4H
	Rat	76 mg/L, 4 Hours 50.1 mg/L, 8 Hours
		39 mg/l/4h

Oral

LD50	Human	2857 mg/kg
	Mouse	3000 mg/kg
	Rabbit	5340 mg/kg
	Rat	5800 mg/kg

Butane (CAS 106-97-8)

Acute

Dermal

LD50 Not available

Inhalation

LC50	Mouse	539600 ppm, 120 Minutes, ECHA
		520400 ppm, 120 Minutes, ECHA
		1237 mg/L, 120 Minutes
		680 mg/L, 2 Hours, HSDB
		57 %, 120 Minutes, ECHA

Components	Species	Test Results
		52 %, 120 Minutes
	Rat	> 800000 ppm, 10 Minutes, ECHA 1442738 mg/m3, 10 Minutes, ECHA 1354944 mg/m3, 10 Minutes, ECHA 570000 ppm, 10 Minutes, ECHA 276000 ppm, 4 Hours, CCOHS 1443 mg/L, 10 Minutes, ECHA 1355 mg/L, 10 Minutes
<i>Oral</i> LD50	Not available	
Methyl acetate (CAS 79-20-9)		
Acute		
<i>Dermal</i> LD50	Rabbit	> 5000 mg/kg
<i>Inhalation</i> LC50	Rat	> 16000 ppm
<i>Oral</i> LD50	Rabbit	3705 mg/kg 3.7 g/kg
	Rat	> 5000 mg/kg
Naphtha (petroleum), hydrotreated light (CAS 64742-49-0)		
Acute		
<i>Dermal</i> LD50	Rabbit	3160 mg/kg
<i>Inhalation</i> LC50	Rat	61 mg/L, 4 Hours 20 ppm 20 mg/l/4h
<i>Oral</i> LD50	Rat	> 25 ml/kg 5000 mg/kg
Propane (CAS 74-98-6)		
Acute		
<i>Dermal</i> LD50	Not available	
<i>Inhalation</i> LC50	Mouse	539600 ppm, 120 Minutes, ECHA 520400 ppm, 120 Minutes, ECHA 1237 mg/L, 120 Minutes 57 %, 120 Minutes, ECHA 52 %, 120 Minutes
	Rat	> 12000000 ppm, 4 hours > 800000 ppm, 10 Minutes, ECHA > 1464 mg/L, 15 Minutes, HSDB 1442738 mg/m3, 10 Minutes, ECHA 1354944 mg/m3, 10 Minutes, ECHA 570000 ppm, 10 Minutes, ECHA 1355 mg/L, 10 Minutes
<i>Oral</i> LD50	Not available	

Skin corrosion/irritation	Causes skin irritation.	
Exposure minutes	Not available.	
Erythema value	Not available.	
Oedema value	Not available.	
Serious eye damage/eye irritation	Causes serious eye irritation.	
Corneal opacity value	Not available.	
Iris lesion value	Not available.	
Conjunctival reddening value	Not available.	
Conjunctival oedema value	Not available.	
Recover days	Not available.	
Respiratory or skin sensitization		
Canada - Alberta OELs: Irritant		
Acetaldehyde (CAS 75-07-0)		Irritant
Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl- (CAS 128-37-0)		Irritant
Respiratory sensitization	Not a respiratory sensitizer.	
Skin sensitization	May cause an allergic skin reaction.	
Mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.	
Carcinogenicity	See below.	
ACGIH Carcinogens		
Acetaldehyde (CAS 75-07-0)		A2 Suspected human carcinogen.
Benzene (CAS 71-43-2)		A1 Confirmed human carcinogen.
Benzene, ethyl- (CAS 100-41-4)		A3 Confirmed animal carcinogen with unknown relevance to humans.
Naphthalene (CAS 91-20-3)		A3 Confirmed animal carcinogen with unknown relevance to humans.
Canada - Alberta OELs: Carcinogen category		
Benzene (CAS 71-43-2)		Confirmed human carcinogen.
Canada - Manitoba OELs: carcinogenicity		
ACETALDEHYDE (CAS 75-07-0)		Suspected human carcinogen.
ACETONE (CAS 67-64-1)		Not classifiable as a human carcinogen.
BENZENE (CAS 71-43-2)		Confirmed human carcinogen.
BUTYLATED HYDROXYTOLUENE (BHT), INHALABLE FRACTION AND VAPOR (CAS 128-37-0)		Not classifiable as a human carcinogen.
ETHYL BENZENE (CAS 100-41-4)		Confirmed animal carcinogen with unknown relevance to humans.
NAPHTHALENE (CAS 91-20-3)		Confirmed animal carcinogen with unknown relevance to humans.
PHENOL (CAS 108-95-2)		Not classifiable as a human carcinogen.
STYRENE, MONOMER (CAS 100-42-5)		Not classifiable as a human carcinogen.
TOLUENE (CAS 108-88-3)		Not classifiable as a human carcinogen.
Canada - Quebec OELs: Carcinogen category		
Acetaldehyde (CAS 75-07-0)		Detected carcinogenic effect in animals.
Benzene (CAS 71-43-2)		Detected carcinogenic effect in humans.
Benzene, ethenyl- (CAS 100-42-5)		Detected carcinogenic effect in animals.
IARC Monographs. Overall Evaluation of Carcinogenicity		
Acetaldehyde (CAS 75-07-0)		Volume 36, Supplement 7, Volume 71 - 2B Possibly carcinogenic 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, ethenyl- (CAS 100-42-5)		Volume 60, Volume 82 - 2B Possibly carcinogenic to humans.
Benzene, ethyl- (CAS 100-41-4)		Volume 77 - 2B Possibly carcinogenic to humans.
Naphthalene (CAS 91-20-3)		Volume 82 - 2B Possibly carcinogenic to humans.
Phenol (CAS 108-95-2)		Volume 47, Volume 71 - 3 Not classifiable as to carcinogenicity to humans.
Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl- (CAS 128-37-0)		Volume 40, Supplement 7 - 3 Not classifiable as to carcinogenicity 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		
Acetaldehyde (CAS 75-07-0)		
Benzene (CAS 71-43-2)		

Benzene, (1-methylethyl)- (CAS 98-82-8)
 Benzene, ethenyl- (CAS 100-42-5)
 Benzene, ethyl- (CAS 100-41-4)
 Naphthalene (CAS 91-20-3)

US NTP Report on Carcinogens: Anticipated carcinogen

Acetaldehyde (CAS 75-07-0)	Reasonably Anticipated to be a Human Carcinogen.
Benzene, (1-methylethyl)- (CAS 98-82-8)	Reasonably Anticipated to be a Human Carcinogen.
Benzene, ethenyl- (CAS 100-42-5)	Reasonably Anticipated to be a Human Carcinogen.
Naphthalene (CAS 91-20-3)	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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Reproductive toxicity	Suspected of damaging fertility or the unborn child.
Teratogenicity	Not available.
Specific target organ toxicity - single exposure	May cause drowsiness and dizziness.
Specific target organ toxicity - repeated exposure	Not classified.
Aspiration hazard	May be fatal if swallowed and enters airways.
Chronic effects	Prolonged inhalation may be harmful.

12. Ecological Information

Ecotoxicity See below

Ecotoxicological data

Components		Species	Test Results
Acetone (CAS 67-64-1)			
Crustacea	EC50	Daphnia	13999 mg/L, 48 Hours
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	10294 - 17704 mg/L, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	4740 - 6330 mg/L, 96 hours
Methyl acetate (CAS 79-20-9)			
Algae	IC50	Algae	120 mg/L, 72 hours
Crustacea	EC50	Daphnia	1026.7 mg/L, 48 hours
Aquatic			
Fish	LC50	Fathead minnow (Pimephales promelas)	295 - 348 mg/L, 96 hours
Naphtha (petroleum), hydrotreated light (CAS 64742-49-0)			
Aquatic			
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

Persistence and degradability	No data is available on the degradability of this product.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Mobility in general	Not available.
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal Considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products

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).

Contaminated packaging

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. Do not re-use empty containers.

14. Transport Information

Transport of Dangerous Goods (TDG) Proof of Classification In accordance with Part 2.2.1 (SOR/2014-152) of the Transportation of Dangerous Goods Regulations, we certify that the classification of this product is correct as of the SDS date of issue.

U.S. Department of Transportation (DOT)

Basic shipping requirements:

UN number UN1950
Proper shipping name Aerosols, flammable, (each not exceeding 1 L capacity)
Hazard class Limited Quantity - US

Transportation of Dangerous Goods (TDG - Canada)

Basic shipping requirements:

UN number UN1950
Proper shipping name AEROSOLS, flammable
Hazard class Limited Quantity - Canada

IATA/ICAO (Air)

Basic shipping requirements:

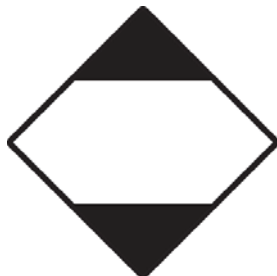
UN number UN1950
Proper shipping name Aerosols, flammable
Hazard class Limited Quantity - IATA

IMDG (Marine Transport)

Basic shipping requirements:

UN number UN1950
Proper shipping name AEROSOLS
Hazard class Limited Quantity - IMDG

DOT; IMDG; TDG



IATA



15. Regulatory Information

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

Acetaldehyde (CAS 75-07-0)	Listed.
Benzene (CAS 71-43-2)	Listed.
Naphthalene (CAS 91-20-3)	Listed.

Canada DSL Challenge Substances: Listed substance

Butane (CAS 106-97-8)	Listed.
Naphthalene (CAS 91-20-3)	Listed.

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

Benzene (CAS 71-43-2)	1 TONNES
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Benzene, ethenyl- (CAS 100-42-5)	1 TONNES
Butane (CAS 106-97-8)	1 TONNES
Methanol (CAS 67-56-1)	1 TONNES
Naphtha (petroleum), hydrotreated light (CAS 64742-49-0)	1 TONNES
Propane (CAS 74-98-6)	1 TONNES
Toluene (CAS 108-88-3)	1 TONNES

Canada Priority Substances List (Second List): Listed substance

Acetaldehyde (CAS 75-07-0)	Listed.
Phenol (CAS 108-95-2)	Listed.

Export Control List (CEPA 1999, Schedule 3)

Not listed.

Greenhouse Gases

Not listed.

Precursor Control Regulations

Acetone (CAS 67-64-1)	Class B
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)

Acetaldehyde (CAS 75-07-0)	0.1 % One-Time Export Notification only.
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CERCLA Hazardous Substance List (40 CFR 302.4)

Acetaldehyde (CAS 75-07-0)	Listed.
Acetone (CAS 67-64-1)	Listed.
Benzene (CAS 71-43-2)	Listed.
Benzene, (1-methylethyl)- (CAS 98-82-8)	Listed.
Benzene, ethenyl- (CAS 100-42-5)	Listed.
Benzene, ethyl- (CAS 100-41-4)	Listed.
Butane (CAS 106-97-8)	Listed.
Cyclohexane (CAS 110-82-7)	Listed.
Methanol (CAS 67-56-1)	Listed.
Methyl acetate (CAS 79-20-9)	Listed.
Naphthalene (CAS 91-20-3)	Listed.
Phenol (CAS 108-95-2)	Listed.
Propane (CAS 74-98-6)	Listed.
Toluene (CAS 108-88-3)	Listed.

US EPCRA Section 304 Extremely Haz. Subs. & CERCLA Haz. Subs.: Section 304 EHS reportable quantity

Phenol (CAS 108-95-2)	1000 LBS
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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
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Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories	Immediate Hazard - Yes Delayed Hazard - Yes Fire Hazard - Yes Pressure Hazard - Yes Reactivity Hazard - No
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SARA 302 Extremely hazardous substance	No
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SARA 311/312 Hazardous chemical	No
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SARA 313 (TRI reporting)	Not regulated.
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Other federal regulations

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

Acetaldehyde (CAS 75-07-0)	
Benzene (CAS 71-43-2)	
Benzene, (1-methylethyl)- (CAS 98-82-8)	

Benzene, ethenyl- (CAS 100-42-5)
Benzene, ethyl- (CAS 100-41-4)
Methanol (CAS 67-56-1)
Naphthalene (CAS 91-20-3)
Phenol (CAS 108-95-2)
Toluene (CAS 108-88-3)

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

Acetaldehyde (CAS 75-07-0)
Butane (CAS 106-97-8)
Propane (CAS 74-98-6)

US state regulations See below

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

Acetaldehyde (CAS 75-07-0)	Listed.
Acetone (CAS 67-64-1)	Listed.
Benzene (CAS 71-43-2)	Listed.
Benzene, (1-methylethyl)- (CAS 98-82-8)	Listed.
Benzene, ethenyl- (CAS 100-42-5)	Listed.
Benzene, ethyl- (CAS 100-41-4)	Listed.
Butane (CAS 106-97-8)	Listed.
Cyclohexane (CAS 110-82-7)	Listed.
Methanol (CAS 67-56-1)	Listed.
Methyl acetate (CAS 79-20-9)	Listed.
Naphtha (petroleum), hydrotreated light (CAS 64742-49-0)	Listed.
Naphthalene (CAS 91-20-3)	Listed.
Phenol (CAS 108-95-2)	Listed.
Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl- (CAS 128-37-0)	Listed.
Toluene (CAS 108-88-3)	Listed.

US - Illinois Chemical Safety Act: Listed substance

Acetaldehyde (CAS 75-07-0)
Acetone (CAS 67-64-1)
Benzene (CAS 71-43-2)
Benzene, (1-methylethyl)- (CAS 98-82-8)
Benzene, ethenyl- (CAS 100-42-5)
Benzene, ethyl- (CAS 100-41-4)
Butane (CAS 106-97-8)
Cyclohexane (CAS 110-82-7)
Methanol (CAS 67-56-1)
Methyl acetate (CAS 79-20-9)
Naphthalene (CAS 91-20-3)
Phenol (CAS 108-95-2)
Propane (CAS 74-98-6)
Toluene (CAS 108-88-3)

US - Louisiana Spill Reporting: Listed substance

Acetaldehyde (CAS 75-07-0)	Listed.
Acetone (CAS 67-64-1)	Listed.
Benzene (CAS 71-43-2)	Listed.
Benzene, (1-methylethyl)- (CAS 98-82-8)	Listed.
Benzene, ethenyl- (CAS 100-42-5)	Listed.
Benzene, ethyl- (CAS 100-41-4)	Listed.
Butane (CAS 106-97-8)	Listed.
Cyclohexane (CAS 110-82-7)	Listed.
Methanol (CAS 67-56-1)	Listed.
Methyl acetate (CAS 79-20-9)	Listed.
Naphthalene (CAS 91-20-3)	Listed.
Phenol (CAS 108-95-2)	Listed.
Propane (CAS 74-98-6)	Listed.
Toluene (CAS 108-88-3)	Listed.

US - Michigan Critical Materials Register: Parameter number

Benzene (CAS 71-43-2)	BENZENE
Benzene, ethenyl- (CAS 100-42-5)	STYRENE (MONOMER)
Toluene (CAS 108-88-3)	TOLUENE

US - Minnesota Haz Subs: Listed substance

Acetaldehyde (CAS 75-07-0)	Listed.
Acetone (CAS 67-64-1)	Listed.
Benzene (CAS 71-43-2)	Listed.
Benzene, (1-methylethyl)- (CAS 98-82-8)	Listed.
Benzene, ethenyl- (CAS 100-42-5)	Listed.

Benzene, ethyl- (CAS 100-41-4)	Listed.
Butane (CAS 106-97-8)	Listed.
Cyclohexane (CAS 110-82-7)	Listed.
Methanol (CAS 67-56-1)	Listed.
Methyl acetate (CAS 79-20-9)	Listed.
Naphtha (petroleum), hydrotreated light (CAS 64742-49-0)	Listed.
Naphthalene (CAS 91-20-3)	Listed.
Phenol (CAS 108-95-2)	Listed.
Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl- (CAS 128-37-0)	Listed.
Propane (CAS 74-98-6)	Listed.
Toluene (CAS 108-88-3)	Listed.

US - New Jersey RTK - Substances: Listed substance

Acetaldehyde (CAS 75-07-0)
 Acetone (CAS 67-64-1)
 Benzene (CAS 71-43-2)
 Benzene, (1-methylethyl)- (CAS 98-82-8)
 Benzene, ethenyl- (CAS 100-42-5)
 Benzene, ethyl- (CAS 100-41-4)
 Butane (CAS 106-97-8)
 Cyclohexane (CAS 110-82-7)
 Methanol (CAS 67-56-1)
 Methyl acetate (CAS 79-20-9)
 Naphtha (petroleum), hydrotreated light (CAS 64742-49-0)
 Naphthalene (CAS 91-20-3)
 Phenol (CAS 108-95-2)
 Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl- (CAS 128-37-0)
 Propane (CAS 74-98-6)
 Toluene (CAS 108-88-3)

US - North Carolina Toxic Air Pollutants: Listed substance

Acetaldehyde (CAS 75-07-0)
 Benzene (CAS 71-43-2)
 Benzene, ethenyl- (CAS 100-42-5)
 Phenol (CAS 108-95-2)
 Toluene (CAS 108-88-3)

US - Pennsylvania RTK - Hazardous Substances: Special hazard

Benzene (CAS 71-43-2)

US - Texas Effects Screening Levels Hazard Data: Simple asphyxiant

Propane (CAS 74-98-6)

US - Texas Effects Screening Levels: Listed substance

Acetaldehyde (CAS 75-07-0)	Listed.
Acetone (CAS 67-64-1)	Listed.
Benzene (CAS 71-43-2)	Listed.
Benzene, (1-methylethyl)- (CAS 98-82-8)	Listed.
Benzene, ethenyl- (CAS 100-42-5)	Listed.
Benzene, ethyl- (CAS 100-41-4)	Listed.
Butane (CAS 106-97-8)	Listed.
Cyclohexane (CAS 110-82-7)	Listed.
Methanol (CAS 67-56-1)	Listed.
Methyl acetate (CAS 79-20-9)	Listed.
Naphtha (petroleum), hydrotreated light (CAS 64742-49-0)	Listed.
Naphthalene (CAS 91-20-3)	Listed.
Phenol (CAS 108-95-2)	Listed.
Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl- (CAS 128-37-0)	Listed.
Propane (CAS 74-98-6)	Listed.
Toluene (CAS 108-88-3)	Listed.

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

Acetaldehyde (CAS 75-07-0)
 Benzene (CAS 71-43-2)
 Benzene, ethenyl- (CAS 100-42-5)
 Benzene, ethyl- (CAS 100-41-4)
 Phenol (CAS 108-95-2)
 Toluene (CAS 108-88-3)

US. Massachusetts RTK - Substance List

Acetaldehyde (CAS 75-07-0)
 Acetone (CAS 67-64-1)

Benzene (CAS 71-43-2)
Benzene, (1-methylethyl)- (CAS 98-82-8)
Benzene, ethenyl- (CAS 100-42-5)
Benzene, ethyl- (CAS 100-41-4)
Butane (CAS 106-97-8)
Cyclohexane (CAS 110-82-7)
Methanol (CAS 67-56-1)
Methyl acetate (CAS 79-20-9)
Naphtha (petroleum), hydrotreated light (CAS 64742-49-0)
Naphthalene (CAS 91-20-3)
Phenol (CAS 108-95-2)
Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl- (CAS 128-37-0)
Propane (CAS 74-98-6)
Toluene (CAS 108-88-3)

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

Acetaldehyde (CAS 75-07-0)
Benzene (CAS 71-43-2)
Benzene, (1-methylethyl)- (CAS 98-82-8)
Benzene, ethenyl- (CAS 100-42-5)
Benzene, ethyl- (CAS 100-41-4)
Butane (CAS 106-97-8)
Cyclohexane (CAS 110-82-7)
Methanol (CAS 67-56-1)
Naphthalene (CAS 91-20-3)
Phenol (CAS 108-95-2)
Propane (CAS 74-98-6)
Toluene (CAS 108-88-3)

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

Acetaldehyde (CAS 75-07-0)
Acetone (CAS 67-64-1)
Benzene (CAS 71-43-2)
Benzene, (1-methylethyl)- (CAS 98-82-8)
Benzene, ethenyl- (CAS 100-42-5)
Benzene, ethyl- (CAS 100-41-4)
Butane (CAS 106-97-8)
Cyclohexane (CAS 110-82-7)
Methanol (CAS 67-56-1)
Methyl acetate (CAS 79-20-9)
Naphtha (petroleum), hydrotreated light (CAS 64742-49-0)
Naphthalene (CAS 91-20-3)
Phenol (CAS 108-95-2)
Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl- (CAS 128-37-0)
Propane (CAS 74-98-6)
Toluene (CAS 108-88-3)

US. Rhode Island RTK

Acetaldehyde (CAS 75-07-0)
Acetone (CAS 67-64-1)
Benzene (CAS 71-43-2)
Benzene, (1-methylethyl)- (CAS 98-82-8)
Benzene, ethenyl- (CAS 100-42-5)
Benzene, ethyl- (CAS 100-41-4)
Butane (CAS 106-97-8)
Cyclohexane (CAS 110-82-7)
Methanol (CAS 67-56-1)
Naphthalene (CAS 91-20-3)
Phenol (CAS 108-95-2)
Propane (CAS 74-98-6)
Toluene (CAS 108-88-3)

US. California Proposition 65

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

Acetaldehyde (CAS 75-07-0)	Listed: April 1, 1988
Benzene (CAS 71-43-2)	Listed: February 27, 1987
Benzene, (1-methylethyl)- (CAS 98-82-8)	Listed: April 6, 2010
Benzene, ethenyl- (CAS 100-42-5)	Listed: April 22, 2016
Benzene, ethyl- (CAS 100-41-4)	Listed: June 11, 2004
Naphthalene (CAS 91-20-3)	Listed: April 19, 2002

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

Benzene (CAS 71-43-2)	Listed: December 26, 1997
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Methanol (CAS 67-56-1)

Listed: March 16, 2012

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

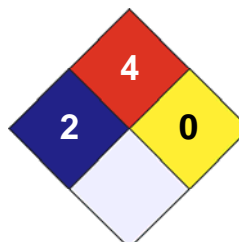
Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*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

HEALTH	*	2
FLAMMABILITY		4
PHYSICAL HAZARD		0
PERSONAL PROTECTION		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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02-May-2017

Version #

01

Effective date

02-May-2017

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.