

SAFETY DATA SHEET

1. Product and Company Identification

Product identifier	PC SERIES LACQUER
Other means of identification	PC10, PC20, PC30, PC40, PC50, PC90, PCULTRA10, PCULTRA20, PCULTRA30, PCULTRA50, PCULTRA90
Recommended use	Precatalyzed Lacquer
Recommended restrictions	None known.
Manufacturer information	John E. Goudey Manufacturing Limited 21 Primrose Avenue Toronto, ON M6H 3V1 CA Phone: (416)531-4669
Supplier	See above.
CANUTEC	(613) 996-6666

2. Hazards Identification

Physical hazards	Flammable liquids	Category 2
Health hazards	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 1
	Sensitization, skin	Category 1
	Germ cell mutagenicity	Category 2
	Carcinogenicity	Category 2
	Reproductive toxicity	Category 1
	Specific target organ toxicity, single exposure	Category 3 narcotic effects
	Specific target organ toxicity, repeated	Category 2
Environmental hazards	Not classified.	
WHMIS 2015 defined hazards	Not classified	

exposure

Label elements



Signal word Danger

Hazard statement Highly flammable liquid and vapor. Causes skin irritation. May cause an allergic skin reaction.

Causes serious eye damage. May cause drowsiness or dizziness. Suspected of causing genetic defects. Suspected of causing cancer. May damage fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure.

Precautionary statement

Prevention 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. Wear protective gloves/protective clothing/eye protection/face protection.

Wash thoroughly after handling. Do not breathe 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.

Response 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 advice/attention. Specific treatment (see information on this label). Take off contaminated clothing and wash it before reuse.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

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 Store in a well-ventilated place. Keep cool. Store locked up. Keep container tightly closed.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations. **WHMIS 2015: Health Hazard(s) (HHNOC)** None known **not otherwise classified**

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

4. First Aid Measures

Inhalation	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
Skin contact	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. If skin irritation or rash occurs: Get medical advice/attention. Specific treatment (see information on this label). Take off contaminated clothing and wash it before reuse.
Eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
Ingestion	Rinse mouth. Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth if victim is unconscious or is convulsing. Obtain medical attention.
Most important symptoms/effects, acute and delayed	May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash. Prolonged exposure may cause chronic effects.

Indication of immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Symptoms may be delayed.

Mixture	Chemical name	Common name and synonyms	CAS number	%
	1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester		117-81-7	1-5*
	1-Butanol		71-36-3	5-10*
	1-Propanol, 2-methyl-		78-83-1	1-5*
	2-Butanone		78-93-3	10-30*
	Acetic acid, butyl ester		123-86-4	10-30*
	Amorphous silica, precipitated		112926-00-8	1-5*
	Benzene, ethyl-		100-41-4	0.1-1*
	Ethanol		64-17-5	1-5*
	Isopropanol		67-63-0	5-10*
	Methanol		67-56-1	0.1-1*
	Nitrocellulose resin		9004-70-0	5-10*
	Phosphoric acid, dibutyl ester		107-66-4	0.1-1*
	Silane, dichlorodimethyl-, reaction products with silica		68611-44-9	0.1-1*
	Solvent naphtha (petroleum), light aliphatic		64742-89-8	1-5*
	Toluene		108-88-3	1-5*
	Xylene		1330-20-7	1-5*

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

Composition comments

*CANADA GHS: The exact percentage (concentration) of composition has been withheld as a trade secret.

General information

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

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

Suitable extinguishing media

Water fog. Alcohol resistant foam. Dry chemical powder. Carbon dioxide.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical

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.

Special protective equipment and precautions for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire-fighting equipment/instructions

In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.

Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards

Highly flammable liquid and vapor.

Hazardous combustion products

May include and are not limited to: Oxides of carbon. Oxides of nitrogen.

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

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

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Explosion-proof general and local exhaust ventilation. All equipment used when handling the product must be grounded. Take precautionary measures against static discharges. Use non-sparking tools and explosion-proof equipment. Do not breathe mist or vapor. Do not get this material in contact with eyes. Avoid contact with eyes, skin, and clothing. Pregnant or breastfeeding women must not handle this product. 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. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS). 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

1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester (CAS 117-81-7)	TWA	5 mg/m ³
1-Butanol (CAS 71-36-3)	TWA	60 mg/m ³
1-Propanol, 2-methyl- (CAS 78-83-1)	TWA	20 ppm
2-Butanone (CAS 78-93-3)	TWA	152 mg/m ³
	STEL	50 ppm
		885 mg/m ³
		300 ppm
	TWA	590 mg/m ³
		200 ppm
Acetic acid, butyl ester	STEL	950 mg/m ³

(CAS 123-86-4)		200 ppm
	TWA	713 mg/m3
		150 ppm
Benzene, ethyl- (CAS 100-41-4)	STEL	543 mg/m3
		125 ppm
	TWA	434 mg/m3
		100 ppm
Ethanol (CAS 64-17-5)	TWA	1880 mg/m3
		1000 ppm
Isopropanol (CAS 67-63-0)	STEL	984 mg/m3
		400 ppm
	TWA	492 mg/m3
		200 ppm
Methanol (CAS 67-56-1)	STEL	328 mg/m3
		250 ppm
	TWA	262 mg/m3
		200 ppm
Phosphoric acid, dibutyl ester (CAS 107-66-4)	STEL	17 mg/m3
		2 ppm
	TWA	8.6 mg/m3
		1 ppm
Solvent naphtha (petroleum), light aliphatic (CAS 64742-89-8)	TWA	1590 mg/m3
		400 ppm
Toluene (CAS 108-88-3)	TWA	188 mg/m3
		50 ppm
Xylene (CAS 1330-20-7)	STEL	651 mg/m3
		150 ppm
	TWA	434 mg/m3
		100 ppm

Canada. British Columbia OELs. (Occupational Safety Regulation 296/97, as amended)

Substances, Occupational Health and

Components	Type	Value	Form
1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester (CAS 117-81-7)	TWA	5 mg/m3	
1-Butanol (CAS 71-36-3)	Ceiling	30 ppm	

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

Components	Type	Value	Form
	TWA	15 ppm	
1-Propanol, 2-methyl- (CAS 78-83-1)	TWA	50 ppm	
2-Butanone (CAS 78-93-3)	STEL	100 ppm	
	TWA	50 ppm	
Acetic acid, butyl ester (CAS 123-86-4)	TWA	20 ppm	
Amorphous silica,	TWA	4 mg/m3	Total

precipitated (CAS 112926-00-8)

Benzene, ethyl- (CAS 100-41-4)	TWA	1.5 mg/m ³ 20 ppm	Respirable.
Ethanol (CAS 64-17-5)	STEL	1000 ppm	
Isopropanol (CAS 67-63-0)	STEL	400 ppm	
	TWA	200 ppm	
Methanol (CAS 67-56-1)	STEL	250 ppm	
	TWA	200 ppm	
Phosphoric acid, dibutyl ester (CAS 107-66-4)	STEL	2 ppm	
	TWA	1 ppm	
Toluene (CAS 108-88-3)	TWA	20 ppm	
Xylene (CAS 1330-20-7)	STEL	150 ppm	
	TWA	100 ppm	

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

Components	Type	Value	Form
1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester (CAS 117-81-7)	TWA	5 mg/m ³	
1-Butanol (CAS 71-36-3)	TWA	20 ppm	
1-Propanol, 2-methyl- (CAS 78-83-1)	TWA	50 ppm	
2-Butanone (CAS 78-93-3)	STEL	300 ppm	
	TWA	200 ppm	
Acetic acid, butyl ester (CAS 123-86-4)	STEL	150 ppm	
	TWA	50 ppm	
Benzene, ethyl- (CAS 100-41-4)	TWA	20 ppm	
Ethanol (CAS 64-17-5)	STEL	1000 ppm	
Isopropanol (CAS 67-63-0)	STEL	400 ppm	
	TWA	200 ppm	
Methanol (CAS 67-56-1)	STEL	250 ppm	
	TWA	200 ppm	
Phosphoric acid, dibutyl ester (CAS 107-66-4)	TWA	5 mg/m ³	Inhalable fraction and vapor.
Toluene (CAS 108-88-3)	TWA	20 ppm	
Xylene (CAS 1330-20-7)	STEL	150 ppm	
	TWA	100 ppm	

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

Components	Type	Value	Form
1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester (CAS 117-81-7)	STEL	5 mg/m ³	

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

Components	Type	Value	Form
	TWA	3 mg/m3	
1-Butanol (CAS 71-36-3)	TWA	20 ppm	
1-Propanol, 2-methyl- (CAS 78-83-1)	TWA	50 ppm	
2-Butanone (CAS 78-93-3)	STEL	300 ppm	
	TWA	200 ppm	
Acetic acid, butyl ester (CAS 123-86-4)	STEL	200 ppm	
	TWA	150 ppm	
Benzene, ethyl- (CAS 100-41-4)	TWA	20 ppm	
Ethanol (CAS 64-17-5)	STEL	1000 ppm	
Isopropanol (CAS 67-63-0)	STEL	400 ppm	
	TWA	200 ppm	
Methanol (CAS 67-56-1)	STEL	250 ppm	
	TWA	200 ppm	
Phosphoric acid, dibutyl ester (CAS 107-66-4)	TWA	5 mg/m3	Inhalable fraction and vapor.
Toluene (CAS 108-88-3)	TWA	20 ppm	
Xylene (CAS 1330-20-7)	STEL	150 ppm	
	TWA	100 ppm	

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

Components	Type	Value	Form
1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester (CAS 117-81-7)	STEL	10 mg/m3	
	TWA	5 mg/m3	
1-Butanol (CAS 71-36-3)	Ceiling	152 mg/m3	
		50 ppm	
1-Propanol, 2-methyl- (CAS 78-83-1)	TWA	152 mg/m3	
		50 ppm	
2-Butanone (CAS 78-93-3)	STEL	300 mg/m3	
		100 ppm	
	TWA	150 mg/m3	
		50 ppm	
Acetic acid, butyl ester (CAS 123-86-4)	STEL	950 mg/m3	
		200 ppm	
	TWA	713 mg/m3	
		150 ppm	
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
Ethanol (CAS 64-17-5)	TWA	1880 mg/m3 1000 ppm
Isopropanol (CAS 67-63-0)	STEL	1230 mg/m3 500 ppm
	TWA	983 mg/m3 400 ppm
Methanol (CAS 67-56-1)	STEL	328 mg/m3

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

Components	Type	Value	Form
		250 ppm	
	TWA	262 mg/m3	
		200 ppm	
Phosphoric acid, dibutyl ester (CAS 107-66-4)	STEL	17 mg/m3	
		2 ppm	
	TWA	8.6 mg/m3	
		1 ppm	
Solvent naphtha (petroleum), light aliphatic (CAS 64742-89-8)	TWA	1590 mg/m3	
		400 ppm	
Toluene (CAS 108-88-3)	TWA	188 mg/m3	
		50 ppm	
Xylene (CAS 1330-20-7)	STEL	651 mg/m3	
		150 ppm	
	TWA	434 mg/m3	
		100 ppm	

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

Components	Type	Value
1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester (CAS 117-81-7)	PEL	5 mg/m3
1-Butanol (CAS 71-36-3)		300 mg/m3
	PEL	100 ppm
1-Propanol, 2-methyl- (CAS 78-83-1)	PEL	300 mg/m3
		100 ppm
2-Butanone (CAS 78-93-3)	PEL	590 mg/m3
		200 ppm
Acetic acid, butyl ester (CAS 123-86-4)	PEL	710 mg/m3
		150 ppm
Benzene, ethyl- (CAS 100-41-4)	PEL	435 mg/m3
		100 ppm
Ethanol (CAS 64-17-5)	PEL	1900 mg/m3
		1000 ppm
Isopropanol (CAS 67-63-0)	PEL	980 mg/m3
		400 ppm
Methanol (CAS 67-56-1)	PEL	260 mg/m3
		200 ppm
Phosphoric acid, dibutyl ester (CAS 107-66-4)	PEL	5 mg/m3
		1 ppm
Solvent naphtha (petroleum), light aliphatic (CAS 64742-89-8)	PEL	400 mg/m3
		100 ppm
Xylene (CAS 1330-20-7)	PEL	435 mg/m3
		100 ppm

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

Components	Type	Value
Toluene (CAS 108-88-3)	Ceiling	300 ppm
	TWA	200 ppm

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

Components	Type	Value
Amorphous silica, precipitated (CAS 112926-00-8)	TWA	0.8 mg/m ³
Silane, dichlorodimethyl-, reaction products with silica (CAS 68611-44-9)	TWA	20 mppcf 0.8 mg/m ³ 20 mppcf

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester (CAS 117-81-7)	TWA	5 mg/m ³	
1-Butanol (CAS 71-36-3)	TWA	20 ppm	
1-Propanol, 2-methyl- (CAS 78-83-1)	TWA	50 ppm	
2-Butanone (CAS 78-93-3)	STEL TWA	300 ppm 200 ppm	
Acetic acid, butyl ester (CAS 123-86-4)	STEL	150 ppm	
Benzene, ethyl- (CAS 100-41-4)	TWA TWA	50 ppm 20 ppm	
Ethanol (CAS 64-17-5)	STEL	1000 ppm	
Isopropanol (CAS 67-63-0)	STEL	400 ppm	
	TWA	200 ppm	
Methanol (CAS 67-56-1)	STEL	250 ppm	
	TWA	200 ppm	
Phosphoric acid, dibutyl ester (CAS 107-66-4)	TWA	5 mg/m ³	Inhalable fraction and vapor.
Toluene (CAS 108-88-3)	TWA	20 ppm	
Xylene (CAS 1330-20-7)	STEL	150 ppm	
	TWA	100 ppm	

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester (CAS 117-81-7)	STEL	10 mg/m ³
1-Butanol (CAS 71-36-3)	TWA Ceiling	5 mg/m ³ 150 mg/m ³ 50 ppm
1-Propanol, 2-methyl- (CAS 78-83-1)	TWA	150 mg/m ³
2-Butanone (CAS 78-93-3)	STEL	50 ppm 885 mg/m ³ 300 ppm

	TWA	590 mg/m3 200 ppm
Acetic acid, butyl ester (CAS 123-86-4)	STEL	950 mg/m3
	TWA	200 ppm 710 mg/m3 150 ppm
Amorphous silica, precipitated (CAS 112926- 00-8)	TWA	6 mg/m3

US. NIOSH: Pocket Guide to Chemical Hazards

Benzene, ethyl- (CAS 100-41- 4)	STEL	545 mg/m3 125 ppm
	TWA	435 mg/m3 100 ppm
Ethanol (CAS 64-17-5)	TWA	1900 mg/m3 1000 ppm
Isopropanol (CAS 67-63-0)	STEL	1225 mg/m3 500 ppm
	TWA	980 mg/m3 400 ppm
Methanol (CAS 67-56-1)	STEL	325 mg/m3 250 ppm
	TWA	260 mg/m3 200 ppm
Phosphoric acid, dibutyl ester (CAS 107-66-4)	STEL	10 mg/m3 2 ppm
	TWA	5 mg/m3 1 ppm
Solvent naphtha (petroleum), light aliphatic (CAS 64742-89-8)	TWA	400 mg/m3
Toluene (CAS 108-88-3)	STEL	100 ppm 560 mg/m3 150 ppm
	TWA	375 mg/m3 100 ppm

Biological limit values

ACGIH Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling Time
2-Butanone (CAS 78-93-3)	2 mg/L	MEK	Urine	*
Benzene, ethyl- (CAS 100-41-4)	0.15 g/g	Sum of mandelic acid and phenylglyoxylic acid	Creatinine in urine	*
Isopropanol (CAS 67-63-0)	40 mg/L	Acetone	Urine	*
Methanol (CAS 67-56-1)	15 mg/L	Methanol	Urine	*
Toluene (CAS 108-88-3)	0.3 mg/g	o-Cresol, with hydrolysis	Creatinine in urine	*

					Components Value	Type
	0.03 mg/L	Toluene	Urine	*		
	0.02 mg/L	Toluene	Blood	*		
Xylene (CAS 1330-20-7)	1.5 g/g	Methylhippuric acids	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. 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.

Phosphoric acid, dibutyl ester (CAS 107-66-4) 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.

Phosphoric acid, dibutyl ester (CAS 107-66-4)	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.
Phosphoric acid, dibutyl ester (CAS 107-66-4)	Can be absorbed through the skin.
Canada - Quebec OELs: Skin designation	
1-Butanol (CAS 71-36-3)	Can be absorbed through the skin.
Methanol (CAS 67-56-1)	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.
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.
Phosphoric acid, dibutyl ester (CAS 107-66-4)	Can be absorbed through the skin.
US. NIOSH: Pocket Guide to Chemical Hazards	
1-Butanol (CAS 71-36-3)	Can be absorbed through the skin.
Benzene, (1-methylethyl)- (CAS 98-82-8)	Can be absorbed through the skin.
Methanol (CAS 67-56-1)	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 Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates **controls** 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) and a face shield.
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	Liquid.
Form	Liquid.
Color	Not available.
Odor	Aromatic.
Odor threshold	Not available.
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	174.2 °F (79 °C)
Pour point	Not available.
Specific gravity	Not available.
Partition coefficient (n-octanol/water)	Not available.
Flash point	19.4 °F (-7.0 °C)

Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.

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	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Explosive properties	Not explosive.
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	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Do not mix with other chemicals.
Incompatible materials	Strong acids. Strong oxidizing agents. Nitrates. Alkaline metals. Halogens. Ammonia. Amines. Isocyanates. Caustics. Chlorine.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon. Oxides of nitrogen.

11. Toxicological Information

Routes of exposure likely routes of exposure	Eye, Skin contact, Inhalation, Ingestion. Information on
Ingestion	May cause stomach distress, nausea or vomiting.

Inhalation May cause damage to organs through prolonged or repeated exposure by inhalation. May cause drowsiness and dizziness. Headache. Nausea, vomiting.

Skin contact Causes skin irritation. May cause an allergic skin reaction.

Eye contact Causes serious eye damage.

Symptoms related to the physical, chemical and toxicological characteristics May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Skin irritation. May cause redness and pain. 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
1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester (CAS 117-81-7)		
Acute		
<i>Dermal</i>		
LD50	Guinea pig	10 g/kg
	Rabbit	25000 mg/kg, HSDB
		20 ml/kg, 24 Hours
<i>Inhalation</i>		
LC50	Rat	10.6 mg/l/4h, LOLI
<i>Oral</i>		
LD50	Guinea pig	26 g/kg, SAX
	Mouse	20000 mg/kg, CHEMINFO

Components	Species	Test Results
	Rabbit	34 g/kg, SAX
		33.9 g/kg, HSDB
	Rat	> 25 g/kg, HSDB
		30600 mg/kg, LOLI
1-Butanol (CAS 71-36-3)		
Acute	Rabbit	
<i>Dermal</i>		
LD50		3430 mg/kg, 24 Hours, ECHA
		3400 mg/kg, NIOSH
		4.2 ml/kg, 24 Hours, ECHA
<i>Inhalation</i>		
LC50	Rat	8000 ppm, 4 Hours, HSDB
		17.7 mg/l/4h, NIOSH
<i>Oral</i>	Rat	
LD50		4360 mg/kg, ECHA
		2510 mg/kg, ECHA
		2292 mg/kg, ECHA
		790 mg/kg, South African Medical Journal.
		2.8 ml/kg, ECHA
1-Propanol, 2-methyl- (CAS 78-83-1)		
Acute	Rabbit	
<i>Dermal</i>		
LD50		> 2000 mg/kg, 24 Hours
		3392 mg/kg, 24 Hours, ECHA
		2460 mg/kg, 24 Hours, ECHA
<i>Inhalation</i>	Rat	
LC50		> 21.1 mg/L, 3 Hours, ECHA
		> 18.2 mg/L, 6 Hours, ECHA
		> 6.5 mg/L, 4 Hours, ECHA
		8000 ppm, 4 Hours
		24.6 mg/L, 4 Hours, ECHA
<i>Oral</i>		
LD50	Rabbit	3040 mg/kg, ECHA
	Rat	> 2830 mg/kg, ECHA
		3350 mg/kg, ECHA
		2460 mg/kg
		2.5 g/kg, HSDB
2-Butanone (CAS 78-93-3)		
Acute	Rabbit	
<i>Dermal</i>		
LD50		> 8000 mg/kg, HSDB
		> 10 ml/kg, 24 Hours, ECHA
		6480 mg/kg, Sigma Aldrich
<i>Inhalation</i>		
LC50	Mouse	11000 ppm, 45 Minutes, HSDB
		3200 mg/m3, Sigma Aldrich
	Rat	11700 ppm, 4 Hours, HSDB
		2000 mg/l/4h
<i>Oral</i>		
LD50	Mouse	3000 mg/kg, RTECS

Components	Species	Test Results
	Rat	4500 - 6800 mg/kg, HSDB 2737 mg/kg, Sigma Aldrich 2328 mg/kg, ECHA 2300 - 3500 mg/kg, HSDB 2193 mg/kg, ECHA 2054 mg/kg
Acetic acid, butyl ester (CAS 123-86-4)		
Acute		
<i>Dermal</i>		
LD50		> 16 ml/kg, 24 Hours
	Rabbit	17600 mg/kg, ECHA
<i>Inhalation</i>	Rat	> 71.5 mg/l/4h, ECHA 71543 mg/m3, 4 hours, ECHA 2000 mg/l/4h 2000 ppm 1087 ppm, 4 Hours 0.7 mg/L, 4 Hours 160 mg/L, 4 Hours
LC50		
	Wistar rat	
<i>Oral</i>		
LD50	Mouse	7100 mg/kg
	Rabbit	7400 mg/kg
	Rat	14130 mg/kg 12789 mg/kg, ECHA, male 10770 mg/kg 10760 mg/kg, ECHA, female 12.2 ml/kg
Amorphous silica, precipitated (CAS 112926-00-8)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	> 5000 mg/kg, 24 Hours, ECHA > 2000 mg/kg, 24 Hours, ECHA
<i>Inhalation</i>		
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
<i>Oral</i>		
LD50	Mouse	> 15000 mg/kg, HSDB
	Rat	> 3160 mg/kg, ECHA > 22500 mg/kg, HSDB > 10000 mg/kg, ECHA > 5000 mg/kg, ECHA > 3300 mg/kg, ECHA
Benzene, ethyl- (CAS 100-41-4)		
Acute		
<i>Dermal</i>		

Components	Species	Test Results
LD50	Rabbit	17800 mg/kg, HSDB 15380 mg/kg, CCOHS: Cheminfo 17.8 ml/kg, 24 Hours, ECHA
<i>Inhalation</i> LC50	Mouse Rat	> 8000 ppm, 20 Minutes, ECHA 4000 ppm, 4 Hours, CCOHS: Cheminfo
<i>Oral</i> LD50	Rat	5460 mg/kg, HSDB 3500 mg/kg, Sigma Aldrich 5.5 g/kg, ECHA/HSDB
Ethanol (CAS 64-17-5)		
Acute <i>Dermal</i> LD50	Rabbit	> 15800 mg/kg, SIDS initial assessment report
<i>Inhalation</i> LC50	Cat	85.4 mg/L, 4.5 Hours, ECHA
	Mouse	43.7 mg/L, 6 Hours, ECHA > 60000 ppm, 60 Minutes, ECHA
	Rat	79.4 mg/L, 134 Minutes, ECHA > 115.9 mg/L, 4 Hours, ECHA 31623 ppm, 4 Hours, HMIRA 20000 ppm, 10 Hours, HSDB 51.3 mg/L, 6 Hours, ECHA
<i>Oral</i> LD50	Dog Guinea pig Monkey Mouse Pig Rat	5.5 g/kg, HSDB 5600 mg/kg, HSDB 6000 mg/kg 10500 ml/kg, ECHA 3450 mg/kg, SAX > 5000 mg/kg, ECHA 1187 - 2769 mg/kg, ECHA 12400 mg/kg, ECHA 10470 mg/kg, ECHA 7800 ml/kg, ECHA
Isopropanol (CAS 67-63-0)		
Acute <i>Dermal</i> LD50	Rabbit	12800 mg/kg, HSDB 16.4 ml/kg, 24 Hours, ECHA
<i>Inhalation</i> LC50	Rat	> 10000 ppm, 6 Hours, ECHA 16970 mg/l/4h, HMIRA
<i>Oral</i> LD50	Dog Mouse Rabbit	4797 mg/kg, HSDB 3600 mg/kg, HSDB 5030 mg/kg, HSDB 5 g/kg, HSDB

Components	Species	Test Results
	Rat	5.8 g/kg, ECHA
Methanol (CAS 67-56-1)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	15800 - 20000 mg/kg, SIDS report/HSDB
	Rat	> 450000 mg/kg, SIDS report/HSDB
<i>Inhalation</i>		
LC50	Cat	85.4 mg/l/4h, HSDB
		85.4 mg/L, 4.5 Hours, ECHA/HSDB
		43.7 mg/L, 6 Hours, ECHA
	Mouse	79.4 mg/L, 134 Minutes, ECHA
	Rat	> 115.9 mg/L, 4 Hours, ECHA
		64000 ppm, 4 Hours, HSDB
		130.7 mg/L, 4 Hours, ECHA
		128.2 mg/L, 4 Hours, ECHA
		92.6 mg/L, 6 Hours, ECHA
		87.5 mg/L, 6 Hours, ECHA
		83.2 - 128.8 mg/l/4h, SIDS report/HSDB
		82.1 mg/L, 6 Hours, ECHA
<i>Oral</i>		
LD50	Dog	8000 mg/kg, HSDB
	Human	143 - 300 mg/kg, HSNO CCID/Sigma-Aldrich
	Monkey	7000 - 9000 mg/kg, ECHA
		6000 mg/kg, ECHA
		3000 mg/kg, RTECS
		2000 mg/kg, HSDB
	Mouse	7300 mg/kg, HSDB
	Pig	> 5000 mg/kg, ECHA
	Rabbit	14200 - 14400 mg/kg, RTECS
		14.4 g/kg, HSDB
	Rat	1187 - 2769 mg/kg
		790 - 13000 mg/kg, SIDS report/HSDB
		5628 mg/kg, HSDB
Nitrocellulose resin (CAS 9004-70-0)		
Acute		
<i>Dermal</i>		
LD50		
<i>Inhalation</i>		
LC50		
<i>Oral</i>		
LD50	Rat	5000 mg/kg
Phosphoric acid, dibutyl ester (CAS 107-66-4)		
Acute		
<i>Dermal</i>		
LD50		
<i>Inhalation</i>		
LC50		
<i>Oral</i>		

Components	Species	Test Results
LD50	Rat	> 2000 mg/kg 3200 mg/kg
Silane, dichlorodimethyl-, reaction products with silica (CAS 68611-44-9)		
Acute		
<i>Dermal</i>		
LD50	Not available	
<i>Inhalation</i>		
LC50	Rat	> 0.5 mg/l/4h, Evonik
<i>Oral</i>		
LD50	Rat	> 5000 mg/kg, Evonik
Solvent naphtha (petroleum), light aliphatic (CAS 64742-89-8)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	> 6000 mg/kg, 24 Hours, ECHA > 3750 mg/kg, 24 Hours, ECHA > 3000 mg/kg, 24 Hours, ECHA > 2000 mg/kg, ECHA > 2000 mg/kg, 24 Hours, ECHA > 1900 mg/kg, 24 Hours, ECHA
<i>Inhalation</i>		
LC50	Rat	> 8530 mg/m3, 4 Hours, ECHA > 7970 mg/m3, 4 Hours, ECHA > 7630 mg/m3, 4 Hours, ECHA > 7300 mg/m3, 4 Hours, ECHA > 5830 mg/m3, 4 Hours, ECHA > 5740 mg/m3, 4 Hours, ECHA > 5610 mg/m3, 4 Hours, ECHA > 5470 mg/m3, 4 Hours, ECHA > 5300 mg/m3, 4 Hours, ECHA > 5280 mg/m3, 4 Hours, ECHA > 5260 mg/m3, 4 Hours, ECHA > 5250 mg/m3, 4 Hours, ECHA > 5240 mg/m3, 4 Hours, ECHA > 5220 mg/m3, 4 Hours, ECHA > 5200 mg/m3, 4 Hours, ECHA > 5170 mg/m3, 4 Hours, ECHA > 5160 mg/m3, 4 Hours, ECHA > 5100 mg/m3, 4 Hours, ECHA > 5080 mg/m3, 4 Hours, ECHA > 5050 mg/m3, 4 Hours, ECHA > 5040 mg/m3, 4 Hours, ECHA > 5020 mg/m3, 4 Hours, ECHA > 5000 mg/m3, 4 Hours, ECHA > 4980 mg/m3, 4 Hours, ECHA > 4970 mg/m3, 4 Hours, ECHA > 4420 mg/m3, 4 Hours, ECHA > 5.4 mg/L, 4 Hours, ECHA > 5.1 mg/L, 4 Hours, ECHA > 5.1 mg/L, 4 Hours, ECHA

Components	Species	Test Results	
Oral LD50	Rat	> 5 mg/L, 4 Hours, ECHA	
		> 5 mg/L, 4 Hours, ECHA	
		>= 5060 mg/m ³ , 4 Hours, ECHA	
		> 7000 mg/kg, ECHA	
		> 6000 mg/kg, ECHA	
		> 5570 mg/kg, ECHA	
		> 5200 mg/kg, ECHA	
		> 5000 mg/kg, ECHA	
		> 4800 mg/kg, ECHA	
		> 4500 mg/kg, ECHA	
		> 25 ml/kg, HSDB	
		14063 mg/kg, ECHA	
		6620 mg/kg, ECHA	
5800 mg/kg, ECHA			
5390 mg/kg, ECHA			
4820 mg/kg, ECHA			
Toluene (CAS 108-88-3) Acute Dermal LD50	Rabbit	> 5000 mg/kg, 24 Hours, ECHA	
		12124 mg/kg, HSDB	
		14.1 ml/kg, HSDB	
	Inhalation LC50	Mouse	6405 - 7436 ppm, 6 Hours, ECHA
			5320 ppm, 8 Hours, ECHA/HSDB
		Rat	400 ppm, 24 Hours, HSDB
			26700 ppm, 1 Hours, HSDB
			12200 ppm, 2 Hours, HSDB
			8000 ppm, 4 Hours, HSDB
	Oral LD50	Rat	5879 - 6281 ppm, 6 Hours, ECHA
			30 mg/L, 4 Hours, ECHA
			28.1 mg/L, 4 Hours, ECHA
25.7 mg/L, 4 Hours, ECHA			
> 5000 mg/kg, ECHA			
5580 mg/kg, ECHA			
2.6 g/kg, HSDB			
Xylene (CAS 1330-20-7) Acute Dermal LD50	Rabbit	> 5000 ml/kg, 4 Hours, ECHA	
		> 43 g/kg, HSDB	
		12126 mg/kg, 24 Hours, ECHA	
	Inhalation LC50	Mouse	3907 ppm, 6 Hours, HSDB
			3907 mg/L, 6 Hours, HSDB
		Rat	6700 ppm, 4 Hours, ECHA
			6580 ppm, 4 Hours, ECHA

Components	Species	Test Results
Oral LD50	Mouse	6350 ppm, 4 Hours, ECHA/HSDB 6247 ppm, 4 Hours, ECHA 5922 ppm, 4 Hours, ECHA
	Rat	5627 mg/kg, ECHA/HSDB 5251 mg/kg, ECHA > 4000 mg/kg, ECHA 6670 mg/kg, HSDB 4300 mg/kg, ECHA/HSDB 3523 mg/kg 10 ml/kg, ECHA
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 damage.	
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		
ACGIH sensitization		
Formaldehyde (CAS 50-00-0)	Dermal sensitization Respiratory sensitization	
Canada - Alberta OELs: Irritant		
1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester (CAS 117-81-7)	Irritant (CAS 117-81-7)	
1-Butanol (CAS 71-36-3)	Irritant	
1-Propanol, 2-methyl- (CAS 78-83-1)	Irritant	
Acetic acid, butyl ester (CAS 123-86-4)	Irritant	
Canada - British Columbia OELs: Respiratory or skin sensitiser		
Formaldehyde (CAS 50-00-0)	Capable of causing respiratory, dermal or conjunctival sensitization.	
Canada - Manitoba OELs Hazard: Dermal sensitization		
Formaldehyde (CAS 50-00-0)	Dermal sensitization	
Canada - Manitoba OELs Hazard: Respiratory sensitization		
Formaldehyde (CAS 50-00-0)	Respiratory sensitization	
Canada - Saskatchewan OELs Hazard Data: Sensitiser		
Formaldehyde (CAS 50-00-0)	Sensitizer.	
Respiratory sensitization	Not a respiratory sensitizer.	
Skin sensitization	May cause an allergic skin reaction.	
Mutagenicity	Suspected of causing genetic defects.	
Carcinogenicity	Suspected of causing cancer. See below.	
ACGIH Carcinogens		
1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester (CAS 117-81-7)	A3 Confirmed animal carcinogen with unknown relevance to humans.	
Benzene (CAS 71-43-2)	A1 Confirmed human carcinogen.	
Benzene, ethyl- (CAS 100-41-4)	A3 Confirmed animal carcinogen with unknown relevance to humans.	
Formaldehyde (CAS 50-00-0)	A2 Suspected human carcinogen.	

Canada - Alberta OELs: Carcinogen category

Benzene (CAS 71-43-2)

Formaldehyde (CAS 50-00-0)

Confirmed human carcinogen.

Suspected human carcinogen.

Canada - Manitoba OELs: carcinogenicity

BENZENE (CAS 71-43-2)

DI(2-ETHYLHEXYL)PHTHALATE (DEHP) (CAS 117-81-7)

ETHANOL (CAS 64-17-5)

ETHYL BENZENE (CAS 100-41-4)

FORMALDEHYDE (CAS 50-00-0)

Confirmed human carcinogen.

Confirmed animal carcinogen with unknown relevance to humans.

Confirmed animal carcinogen with unknown relevance to humans.

Confirmed animal carcinogen with unknown relevance to humans.

Suspected human carcinogen.

Canada - Quebec OELs: Carcinogen category

1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester (CAS 117-81-7)

Benzene (CAS 71-43-2)

Formaldehyde (CAS 50-00-0)

Detected carcinogenic effect in animals.

Detected carcinogenic effect in humans.

Suspected carcinogenic effect in humans.

IARC Monographs. Overall Evaluation of Carcinogenicity

1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester (CAS 117-81-7)

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

Benzene (CAS 71-43-2)

Volume 77, Volume 101 - 2B Possibly carcinogenic to humans.

Volume 68 - 3 Not classifiable as to carcinogenicity to humans.

Volume 29, Supplement 7, Volume 100F 1 Carcinogenic to humans.

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

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

Ethanol (CAS 64-17-5)

Volume 101 - 2B Possibly carcinogenic to humans.

Volume 77 - 2B Possibly carcinogenic to humans.

Volume 44, Volume 96, Volume 100E

Volume 96, Volume 100E

Formaldehyde (CAS 50-00-0)

Toluene (CAS 108-88-3)

Volume 88, Volume 100F 1 Carcinogenic to humans.

Volume 47, Volume 71 - 3 Not classifiable as to carcinogenicity to humans.

Xylene (CAS 1330-20-7)

Volume 47, Volume 71 - 3 Not classifiable as to carcinogenicity to humans.

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

1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester (CAS 117-81-7)

Benzene (CAS 71-43-2)

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

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

Ethanol (CAS 64-17-5)

Formaldehyde (CAS 50-00-0)

US NTP Report on Carcinogens: Anticipated carcinogen

1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester Reasonably Anticipated to be a Human Carcinogen. (CAS 117-81-7)

Benzene, (1-methylethyl)- (CAS 98-82-8) Reasonably Anticipated to be a Human Carcinogen. **US NTP****Report on Carcinogens: Known carcinogen**

Benzene (CAS 71-43-2) Known To Be Human Carcinogen. Formaldehyde (CAS 50-00-0) Known To Be Human Carcinogen.

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

Benzene (CAS 71-43-2) Cancer Formaldehyde (CAS 50-00-0) Cancer

Reproductive toxicity

Components in this product have been shown to cause birth defects and reproductive disorders in laboratory animals. May damage fertility or the unborn child.

Teratogenicity

Components in this product have been shown to cause birth defects and reproductive disorders in laboratory animals. Contains a potential teratogen. Methanol has produced teratogenic effects in mice exposed by inhalation to high concentrations that did not produce significant maternal toxicity. Toluene (benzene, methyl-) has caused fetotoxicity (reduced fetal weight), behavioural effects (effects on learning and memory) and hearing loss (in males). These effects have been observed in the offspring of rats exposed by inhalation to 1200 or 1800 ppm toluene. These effects were observed in the absence of maternal toxicity. Xylene is considered fetotoxic in humans, based on observations of reduced fetal weight, delayed ossification and persistent behavioural effects in animal studies in the absence of maternal toxicity.

Specific target organ toxicity single exposure

May cause drowsiness and dizziness.

Specific target organ toxicity repeated exposure

May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard

Not an aspiration hazard.

Chronic effects

May cause damage to organs through prolonged or repeated exposure. Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

12. Ecological Information

Ecotoxicity See below

Ecotoxicological data

Components		Species	Test Results
1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester (CAS 117-81-7)			
Algae	IC50	Algae	130 mg/L, 72 Hours
Crustacea	EC50	Daphnia	0.16 mg/L, 48 Hours
Aquatic			
Crustacea	EC50	Water flea (<i>Daphnia pulex</i>)	0.133 mg/L, 48 hours
Fish	LC50	Bluegill (<i>Lepomis macrochirus</i>)	> 0.2 mg/L, 96 hours > 0.2 mg/L, 96 hours
1-Butanol (CAS 71-36-3)			
Algae	IC50	Algae	500 mg/L, 72 Hours
Crustacea	EC50	Daphnia	1983 mg/L, 48 Hours
Aquatic			
Crustacea	EC50	Water flea (<i>Daphnia magna</i>)	1897 - 2072 mg/L, 48 hours
Fish	LC50	Bluegill (<i>Lepomis macrochirus</i>)	100 - 500 mg/L, 96 hours
1-Propanol, 2-methyl- (CAS 78-83-1)			
Crustacea	EC50	Daphnia	1300 mg/L, 48 Hours
Aquatic			
Crustacea	EC50	Water flea (<i>Daphnia pulex</i>)	950 - 1200 mg/L, 48 hours
Fish	LC50	Bleak (<i>Alburnus alburnus</i>)	1000 - 3000 mg/L, 96 hours
2-Butanone (CAS 78-93-3)			
Crustacea	EC50	Daphnia	520 mg/L, 48 Hours
Aquatic			
Fish	LC50	Sheepshead minnow (<i>Cyprinodon variegatus</i>)	> 400 mg/L, 96 hours
Acetic acid, butyl ester (CAS 123-86-4)			
Algae	IC50	Algae	674.7 mg/L, 72 Hours
Aquatic			
Fish	LC50	Fathead minnow (<i>Pimephales promelas</i>)	17 - 19 mg/L, 96 hours
Benzene, ethyl- (CAS 100-41-4)			
Algae	IC50	Algae	4.6 mg/L, 72 Hours
Crustacea	EC50	Daphnia	2.1 mg/L, 48 Hours
Aquatic			
Crustacea	EC50	Water flea (<i>Daphnia magna</i>)	1.37 - 4.4 mg/L, 48 hours
Fish	LC50	Fathead minnow (<i>Pimephales promelas</i>)	7.5 - 11 mg/L, 96 hours
Ethanol (CAS 64-17-5)			
Crustacea	EC50	Daphnia	11744.5 mg/L, 48 Hours
Aquatic			
Crustacea	EC50	Water flea (<i>Daphnia magna</i>)	7.7 - 11.2 mg/L, 48 hours
Fish	LC50	Fathead minnow (<i>Pimephales promelas</i>)	> 100 mg/L, 96 hours
Isopropanol (CAS 67-63-0)			
Algae	IC50	Algae	1000 mg/L, 72 Hours

Crustacea	EC50	Daphnia	13299 mg/L, 48 Hours
Aquatic			
Fish	LC50	Bluegill (<i>Lepomis macrochirus</i>)	> 1400 mg/L, 96 hours
Methanol (CAS 67-56-1)			
Aquatic			
Crustacea	EC50	Water flea (<i>Daphnia magna</i>)	> 10000 mg/L, 48 hours
Components			
Fish	LC50	Fathead minnow (<i>Pimephales promelas</i>)	> 100 mg/L, 96 hours
Solvent naphtha (petroleum), light aliphatic (CAS 64742-89-8)			
Algae	IC50	Algae	4700 mg/L, 72 Hours
Aquatic			
Crustacea	EC50	Water flea (<i>Daphnia pulex</i>)	2.7 - 5.1 mg/L, 48 hours
Fish	LC50	Rainbow trout, donaldson trout (<i>Oncorhynchus mykiss</i>)	8.8 mg/L, 96 hours
			8.8 mg/L, 96 hours
Toluene (CAS 108-88-3)			
Algae	IC50	Algae	433 mg/L, 72 Hours
Crustacea	EC50	Daphnia	7.645 mg/L, 48 Hours
Aquatic			
Crustacea	EC50	Water flea (<i>Daphnia magna</i>)	5.46 - 9.83 mg/L, 48 hours
Fish	LC50	Coho salmon, silver salmon (<i>Oncorhynchus kisutch</i>)	8.11 mg/L, 96 hours
Xylene (CAS 1330-20-7)			
Aquatic			
Fish	LC50	Bluegill (<i>Lepomis macrochirus</i>)	7.711 - 9.591 mg/L, 96 hours
Persistence and degradability	No data is available on the degradability of this product.		
Bioaccumulative potential			
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. 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.

14. Transport Information

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:	
UN number	UN1993
Proper shipping name	Flammable liquids, n.o.s.

Technical name Acetic acid, butyl ester
Hazard class 3
Packing group II
Special provisions IB2, T7, TP1, TP8, TP28
Packaging exceptions 150
Packaging non bulk 202
Packaging bulk 242

Transportation of Dangerous Goods (TDG - Canada)

Basic shipping requirements:

UN number UN1993
Proper shipping name FLAMMABLE LIQUID, N.O.S.
Technical name Acetic acid, butyl ester
Technical name 2-Butanone
Hazard class 3
Packing group II
Special provisions 16, 150

DOT



TDG



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

1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester Listed. (CAS 117-81-7)
 Benzene (CAS 71-43-2) Listed. Formaldehyde (CAS 50-00-0) Listed.

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

2-Butanone (CAS 78-93-3)	1 TONNES
Acetic acid, butyl ester (CAS 123-86-4)	1 TONNES
Benzene (CAS 71-43-2)	1 TONNES
Ethanol (CAS 64-17-5)	1 TONNES
Formaldehyde (CAS 50-00-0)	1 TONNES
Isopropanol (CAS 67-63-0)	1 TONNES
Methanol (CAS 67-56-1)	1 TONNES
Solvent naphtha (petroleum), light aliphatic (CAS 64742-89-8)	1 TONNES
Toluene (CAS 108-88-3)	1 TONNES
Xylene (CAS 1330-20-7)	1 TONNES

Canada Priority Substances List (Second List): Listed substance

Formaldehyde (CAS 50-00-0) Listed.

Export Control List (CEPA 1999, Schedule 3)

Not listed.

Greenhouse Gases

Not listed.

Precursor Control Regulations

2-Butanone (CAS 78-93-3) 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)

Not regulated.

TSCA Chemical Action Plans, Chemicals of Concern

1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester Phthalates Action Plan (CAS 117-81-7)

CERCLA Hazardous Substance List (40 CFR 302.4)

1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester (CAS 117-81-7) Listed.
 1-Butanol (CAS 71-36-3) Listed.
 1-Propanol, 2-methyl- (CAS 78-83-1) Listed.
 2-Butanone (CAS 78-93-3) Listed.
 Acetic acid, butyl ester (CAS 123-86-4) Listed.
 Benzene (CAS 71-43-2) Listed.
 Benzene, (1-methylethyl)- (CAS 98-82-8) Listed.
 Benzene, ethyl- (CAS 100-41-4) Listed.
 Formaldehyde (CAS 50-00-0) Listed.
 Isopropanol (CAS 67-63-0) Listed.
 Methanol (CAS 67-56-1) Listed.
 Nitrocellulose resin (CAS 9004-70-0) Listed.
 Toluene (CAS 108-88-3) Listed.
 Xylene (CAS 1330-20-7) Listed.

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

Formaldehyde (CAS 50-00-0) 100 LBS

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

Benzene (CAS 71-43-2) Cancer
 Benzene (CAS 71-43-2) Central nervous system
 Benzene (CAS 71-43-2) Skin sensitization
 Benzene (CAS 71-43-2) Blood
 Formaldehyde (CAS 50-00-0) Respiratory sensitization
 Benzene (CAS 71-43-2) Aspiration
 Formaldehyde (CAS 50-00-0) Eye irritation
 Benzene (CAS 71-43-2) Skin
 Formaldehyde (CAS 50-00-0) Skin irritation
 Benzene (CAS 71-43-2) Eye
 Formaldehyde (CAS 50-00-0) respiratory tract irritation
 Benzene (CAS 71-43-2) respiratory tract irritation

Formaldehyde (CAS 50-00-0) Acute toxicity
 Benzene (CAS 71-43-2) Flammability
 Formaldehyde (CAS 50-00-0) 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 No chemical

SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.
1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester	117-81-7	1-5*
1-Butanol	71-36-3	5-10*

Benzene, ethyl-	100-41-0.1-4	1*
Isopropanol	67-63-0	5-10*
Solvent naphtha (petroleum), light aliphatic	64742-89-8	1-5*
Toluene	108-88-3	1-5*
Xylene	1330-20-7	1-5*

Other federal regulations

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

- 1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester (CAS 117-81-7)
- Benzene (CAS 71-43-2)
- Benzene, (1-methylethyl)- (CAS 98-82-8)
- Benzene, ethyl- (CAS 100-41-4)
- Formaldehyde (CAS 50-00-0)
- Methanol (CAS 67-56-1)
- Toluene (CAS 108-88-3)
- Xylene (CAS 1330-20-7)

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

- Formaldehyde (CAS 50-00-0)

US state regulations See below

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

- 1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester Listed.
(CAS 117-81-7)
- 1-Butanol (CAS 71-36-3) Listed.
- 1-Propanol, 2-methyl- (CAS 78-83-1) Listed.
- 2-Butanone (CAS 78-93-3) Listed.
- Acetic acid, butyl ester (CAS 123-86-4) Listed.
- Amorphous silica, precipitated (CAS 112926-00-8) Listed.
- Benzene (CAS 71-43-2) Listed.
- Benzene, (1-methylethyl)- (CAS 98-82-8) Listed.
- Benzene, ethyl- (CAS 100-41-4) Listed.
- Ethanol (CAS 64-17-5) Listed.
- Formaldehyde (CAS 50-00-0) Listed.
- Isopropanol (CAS 67-63-0) Listed.
- Methanol (CAS 67-56-1) Listed.
- Phosphoric acid, dibutyl ester (CAS 107-66-4) Listed.
- Solvent naphtha (petroleum), light aliphatic (CAS 64742-89-8) Listed.
- Toluene (CAS 108-88-3) Listed.
- Xylene (CAS 1330-20-7) Listed.

US - Illinois Chemical Safety Act: Listed substance

- 1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester (CAS 117-81-7)
- 1-Butanol (CAS 71-36-3)
- 1-Propanol, 2-methyl- (CAS 78-83-1)
- 2-Butanone (CAS 78-93-3)
- Acetic acid, butyl ester (CAS 123-86-4)
- Benzene (CAS 71-43-2)
- Benzene, (1-methylethyl)- (CAS 98-82-8)
- Benzene, ethyl- (CAS 100-41-4)
- Ethanol (CAS 64-17-5)
- Formaldehyde (CAS 50-00-0)
- Isopropanol (CAS 67-63-0)
- Methanol (CAS 67-56-1)
- Nitrocellulose resin (CAS 9004-70-0)
- Toluene (CAS 108-88-3)
- Xylene (CAS 1330-20-7)

US - Louisiana Spill Reporting: Listed substance

- 1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester Listed.
(CAS 117-81-7)
- 1-Butanol (CAS 71-36-3) Listed.

1-Propanol, 2-methyl- (CAS 78-83-1) Listed.
 2-Butanone (CAS 78-93-3) Listed.
 Acetic acid, butyl ester (CAS 123-86-4) Listed.
 Benzene (CAS 71-43-2) Listed.
 Benzene, (1-methylethyl)- (CAS 98-82-8) Listed.
 Benzene, ethyl- (CAS 100-41-4) Listed.
 Ethanol (CAS 64-17-5) Listed.
 Formaldehyde (CAS 50-00-0) Listed.
 Isopropanol (CAS 67-63-0) Listed.
 Methanol (CAS 67-56-1) Listed.
 Nitrocellulose resin (CAS 9004-70-0) Listed.
 Toluene (CAS 108-88-3) Listed.
 Xylene (CAS 1330-20-7) Listed.

US - Michigan Critical Materials Register: Parameter number

Benzene (CAS 71-43-2) BENZENE
 Toluene (CAS 108-88-3) TOLUENE
 Xylene (CAS 1330-20-7) XYLENE (ALL ISOMERS)

US - Minnesota Haz Subs: Listed substance

1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester Listed. (CAS 117-81-7)
 1-Butanol (CAS 71-36-3) Listed. 1-Propanol, 2-methyl- (CAS 78-83-1) Listed. 2-Butanone (CAS 78-93-3) Listed.
 Acetic acid, butyl ester (CAS 123-86-4) Listed. Amorphous silica, precipitated (CAS 112926-00-8) Listed. Benzene (CAS 71-43-2) Listed. Benzene, (1-methylethyl)- (CAS 98-82-8) Listed. Benzene, ethyl- (CAS 100-41-4) Listed. Ethanol (CAS 64-17-5) Listed. Formaldehyde (CAS 50-00-0) Listed.
 Isopropanol (CAS 67-63-0) Listed.
 Methanol (CAS 67-56-1) Listed.
 Phosphoric acid, dibutyl ester (CAS 107-66-4) Listed.
 Solvent naphtha (petroleum), light aliphatic (CAS 64742-89-8) Listed.
 Toluene (CAS 108-88-3) Listed.
 Xylene (CAS 1330-20-7) Listed.

US - New Jersey RTK - Substances: Listed substance

1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester (CAS 117-81-7)
 1-Butanol (CAS 71-36-3)
 1-Propanol, 2-methyl- (CAS 78-83-1)
 2-Butanone (CAS 78-93-3)
 Acetic acid, butyl ester (CAS 123-86-4)
 Amorphous silica, precipitated (CAS 112926-00-8)
 Benzene (CAS 71-43-2)
 Benzene, (1-methylethyl)- (CAS 98-82-8)
 Benzene, ethyl- (CAS 100-41-4)
 Ethanol (CAS 64-17-5)
 Formaldehyde (CAS 50-00-0)
 Isopropanol (CAS 67-63-0)
 Methanol (CAS 67-56-1)
 Nitrocellulose resin (CAS 9004-70-0)
 Phosphoric acid, dibutyl ester (CAS 107-66-4)
 Solvent naphtha (petroleum), light aliphatic (CAS 64742-89-8)
 Toluene (CAS 108-88-3)
 Xylene (CAS 1330-20-7)

US - North Carolina Toxic Air Pollutants: Listed substance

1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester (CAS 117-81-7)
 2-Butanone (CAS 78-93-3)
 Benzene (CAS 71-43-2)
 Formaldehyde (CAS 50-00-0)
 Toluene (CAS 108-88-3)
 Xylene (CAS 1330-20-7)

US - Pennsylvania RTK - Hazardous Substances: Special hazard

1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester (CAS 117-81-7)
 Benzene (CAS 71-43-2)
 Formaldehyde (CAS 50-00-0)

US - Texas Effects Screening Levels: Listed substance 1,2-

Benzenedicarboxylic acid, bis(2-ethylhexyl) ester Listed.

(CAS 117-81-7)

1-Butanol (CAS 71-36-3)	Listed.
1-Propanol, 2-methyl- (CAS 78-83-1)	Listed.
2-Butanone (CAS 78-93-3)	Listed.
Acetic acid, butyl ester (CAS 123-86-4)	Listed.
Amorphous silica, precipitated (CAS 112926-00-8)	Listed.
Benzene (CAS 71-43-2)	Listed.
Benzene, (1-methylethyl)- (CAS 98-82-8)	Listed.
Benzene, ethyl- (CAS 100-41-4)	Listed.
Ethanol (CAS 64-17-5)	Listed.
Formaldehyde (CAS 50-00-0)	Listed.
Isopropanol (CAS 67-63-0)	Listed.
Methanol (CAS 67-56-1)	Listed.
Nitrocellulose resin (CAS 9004-70-0)	Listed.
Phosphoric acid, dibutyl ester (CAS 107-66-4)	Listed.
Silane, dichlorodimethyl-, reaction products with silica (CAS 68611-44-9)	Listed.
Solvent naphtha (petroleum), light aliphatic (CAS 64742-89-8)	Listed.
Toluene (CAS 108-88-3)	Listed.
Xylene (CAS 1330-20-7)	Listed.

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

1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester (CAS 117-81-7)

2-Butanone (CAS 78-93-3)

Benzene (CAS 71-43-2)

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

Formaldehyde (CAS 50-00-0)

Toluene (CAS 108-88-3)

US. Massachusetts RTK - Substance List

1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester (CAS 117-81-7)

1-Butanol (CAS 71-36-3)

1-Propanol, 2-methyl- (CAS 78-83-1)

2-Butanone (CAS 78-93-3)

Acetic acid, butyl ester (CAS 123-86-4)

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

Benzene (CAS 71-43-2)

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

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

Ethanol (CAS 64-17-5)

Formaldehyde (CAS 50-00-0)

Isopropanol (CAS 67-63-0)

Methanol (CAS 67-56-1)

Nitrocellulose resin (CAS 9004-70-0)

Phosphoric acid, dibutyl ester (CAS 107-66-4)

Solvent naphtha (petroleum), light aliphatic (CAS 64742-89-8)

Toluene (CAS 108-88-3)

Xylene (CAS 1330-20-7)

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

1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester (CAS 117-81-7)

1-Butanol (CAS 71-36-3)

Benzene (CAS 71-43-2)

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

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

Formaldehyde (CAS 50-00-0)

Isopropanol (CAS 67-63-0)

Methanol (CAS 67-56-1)

Toluene (CAS 108-88-3)

Xylene (CAS 1330-20-7)

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

1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester (CAS 117-81-7)

1-Butanol (CAS 71-36-3)

1-Propanol, 2-methyl- (CAS 78-83-1)

2-Butanone (CAS 78-93-3)
 Acetic acid, butyl ester (CAS 123-86-4)
 Benzene (CAS 71-43-2)
 Benzene, (1-methylethyl)- (CAS 98-82-8)
 Benzene, ethyl- (CAS 100-41-4)
 Ethanol (CAS 64-17-5)
 Formaldehyde (CAS 50-00-0)
 Isopropanol (CAS 67-63-0)
 Methanol (CAS 67-56-1)
 Nitrocellulose resin (CAS 9004-70-0)
 Phosphoric acid, dibutyl ester (CAS 107-66-4)
 Solvent naphtha (petroleum), light aliphatic (CAS 64742-89-8)
 Toluene (CAS 108-88-3)
 Xylene (CAS 1330-20-7)

US. Rhode Island RTK

1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester (CAS 117-81-7)
 1-Butanol (CAS 71-36-3)
 1-Propanol, 2-methyl- (CAS 78-83-1)
 2-Butanone (CAS 78-93-3)
 Acetic acid, butyl ester (CAS 123-86-4)
 Benzene (CAS 71-43-2)
 Benzene, (1-methylethyl)- (CAS 98-82-8)
 Benzene, ethyl- (CAS 100-41-4)
 Ethanol (CAS 64-17-5)
 Formaldehyde (CAS 50-00-0)
 Isopropanol (CAS 67-63-0)
 Methanol (CAS 67-56-1)
 Nitrocellulose resin (CAS 9004-70-0)
 Phosphoric acid, dibutyl ester (CAS 107-66-4)
 Solvent naphtha (petroleum), light aliphatic (CAS 64742-89-8)
 Toluene (CAS 108-88-3)
 Xylene (CAS 1330-20-7)

US. California Proposition 65

WARNING: This product can expose you to chemicals including Formaldehyde, which is known to the State of California to cause cancer, and Benzene, 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.

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance 1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester Listed: January 1, 1988 (CAS 117-81-7)

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 Ethanol (CAS 64-17-5) Listed: April 29, 2011
 Formaldehyde (CAS 50-00-0) Listed: July 1, 1988
 Formaldehyde (CAS 50-00-0) Listed: January 1, 1988

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

1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester Listed: October 24, 2003 (CAS 117-81-7)
 Benzene (CAS 71-43-2) Listed: December 26, 1997
 Ethanol (CAS 64-17-5) Listed: October 1, 1987
 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 1,2-

Benzenedicarboxylic acid, bis(2-ethylhexyl) ester Listed: October 24, 2003 (CAS 117-81-7)
 Benzene (CAS 71-43-2) Listed: December 26, 1997

Inventory status

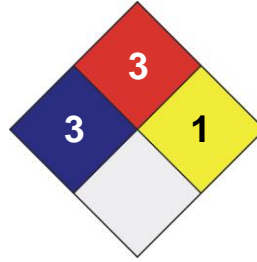
Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

*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	*	3
FLAMMABILITY		3
PHYSICAL HAZARD		1
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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01

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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.