SAFETY DATA SHEET

1. Identification

Product identifier	**Penetrate HD (61105 and 61106)**
Other means of identification	Not available.
Recommended use	Lubricant
Recommended restrictions	None known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name	Nu-Calgon
Address	2611 Schuetz Road St. Louis, MO 63043 United States
Telephone	314-469-7000 / 800-554-5499
E-mail	Not available.
Emergency phone number	1-800-424-9300 (CHEMTREC)
Supplier	See above.

2. Hazard identification

Physical hazards	Gases under pressure	Liquefied gas
Health hazards	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2
	Sensitization, skin	Category 1
	Carcinogenicity	Category 2
	Reproductive toxicity	Category 2
	Specific target organ toxicity, repeated exposure	Category 1
	Aspiration hazard	Category 1
Environmental hazards	Not classified.	
WHMIS 2015 defined hazards	Not classified	

Label elements

Signal word	Danger
Hazard statement	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. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure.

Precautionary statement

Prevention	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash thoroughly after handling. Wear protective gloves, protective clothing and eye protection. Do not breathe mist or vapor. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product.
Response	IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting. IF ON SKIN: Wash with plenty of water. Specific treatment (see information on this label). If skin irritation or rash occurs: Get medical attention. 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. If eye irritation persists: Get medical attention. IF exposed or concerned: Get medical attention.
Storage	Protect from sunlight. Store in a well-ventilated place. Store locked up.
Disposal	Dispose of container in accordance with local, regional, national and 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	%
2-Butanol		78-92-2	1-5*
2-Pentanone, 4-hydroxy-4-methyl-		123-42-2	0.1-1*
Benzene, 1,2,3-trimethyl-		526-73-8	0.1-1*
Benzene, 1,2,4-trimethyl-		95-63-6	5-10*
Benzene, 1,3,5-trimethyl-		108-67-8	1-5*
Carbon dioxide		124-38-9	1-5*
Cumene		98-82-8	0.1-1*
Distillates (petroleum), hydrotreated heavy naphthenic		64742-52-5	10-30*
Distillates (petroleum), hydrotreated light naphthenic		64742-53-6	10-30*
Distillates (petroleum), light hydrotreated		64742-47-8	7-13*
Ethanol, 2-butoxy-		111-76-2	1-5*
Pine oil		8002-09-3	7-13*
Solvent naphtha (petroleum), light aromatic		64742-95-6	10-30*
Solvent naphtha (petroleum), medium aliphatic		64742-88-7	1-5*
Stoddard solvent		8052-41-3	1-5*
Terpineol		8000-41-7	7-13*

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.

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

4. First-aid measures

Inhalation

If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.

Skin contact

IF ON SKIN: Wash with plenty of water. Specific treatment (see information on this label). If skin irritation or rash occurs: Get medical attention. 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. If eye irritation persists: Get medical attention.

Ingestion

IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting.

Most important symptoms/effects, acute and delayed

Aspiration may cause pulmonary edema and pneumonitis. 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. 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.

General information

IF exposed or concerned: Get medical attention. If you feel unwell, seek medical advice (show the label where possible). 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. 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	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: Stop leak if safe to do so. Move containers from fire area if you can do so without risk. 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.
General fire hazards	Contents under pressure. Pressurized container may explode when exposed to heat or flame.
Hazardous combustion products	May include and are not limited to: Oxides of carbon.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. 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. Do not breathe mist or vapor. 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	Isolate area until gas has dispersed. 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. 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. Never return spills to original containers for re-use. Put material in suitable, covered, labeled containers. 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 get in eyes, on skin, or on clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Provide adequate ventilation. 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. Store in a cool, dry place out of direct sunlight. Store in tightly closed container. 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. Stored containers should be periodically checked for general condition and leakage. 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	Form
2-Butanol (CAS 78-92-2)	TWA	303 mg/m3 100 ppm	
2-Pentanone, 4-hydroxy-4-methyl- (CAS 123-42-2)	TWA	238 mg/m3 50 ppm	
Benzene, 1,2,3-trimethyl- (CAS 526-73-8)	TWA	123 mg/m3	

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

Components	Type	Value	Form
		25 ppm	
Benzene, 1,2,4-trimethyl- (CAS 95-63-6)	TWA	123 mg/m3	
		25 ppm	
Benzene, 1,3,5-trimethyl- (CAS 108-67-8)	TWA	123 mg/m3	
		25 ppm	
Carbon dioxide (CAS 124-38-9)	STEL	54000 mg/m3	
		30000 ppm	
	TWA	9000 mg/m3	
		5000 ppm	
Cumene (CAS 98-82-8)	TWA	246 mg/m3	
		50 ppm	
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.
Distillates (petroleum), hydrotreated light naphthenic (CAS 64742-53-6)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.
Distillates (petroleum), light hydrotreated (CAS 64742-47-8)	TWA	200 mg/m3	Vapor.
Ethanol, 2-butoxy- (CAS 111-76-2)	TWA	97 mg/m3	
		20 ppm	
Stoddard solvent (CAS 8052-41-3)	TWA	572 mg/m3	
		100 ppm	

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

Components	Type	Value	Form
2-Butanol (CAS 78-92-2)	TWA	100 ppm	
2-Pentanone, 4-hydroxy-4-methyl- (CAS 123-42-2)	TWA	50 ppm	
Benzene, 1,2,3-trimethyl- (CAS 526-73-8)	TWA	25 ppm	
Benzene, 1,2,4-trimethyl- (CAS 95-63-6)	TWA	25 ppm	
Benzene, 1,3,5-trimethyl- (CAS 108-67-8)	TWA	25 ppm	
Carbon dioxide (CAS 124-38-9)	STEL	15000 ppm	
	TWA	5000 ppm	
Cumene (CAS 98-82-8)	STEL	75 ppm	
	TWA	25 ppm	
Distillates (petroleum), light hydrotreated (CAS 64742-47-8)	TWA	200 mg/m3	Non-aerosol.
Ethanol, 2-butoxy- (CAS 111-76-2)	TWA	20 ppm	

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

Components	Type	Value	Form
Solvent naphtha (petroleum), medium aliphatic (CAS 64742-88-7)	TWA	200 mg/m3	Non-aerosol.
Stoddard solvent (CAS 8052-41-3)	STEL	580 mg/m3	
	TWA	290 mg/m3	

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

Components	Type	Value	Form
2-Butanol (CAS 78-92-2)	TWA	100 ppm	
2-Pentanone, 4-hydroxy-4-methyl- (CAS 123-42-2)	TWA	50 ppm	
Benzene, 1,2,3-trimethyl- (CAS 526-73-8)	TWA	25 ppm	
Benzene, 1,2,4-trimethyl- (CAS 95-63-6)	TWA	25 ppm	
Benzene, 1,3,5-trimethyl- (CAS 108-67-8)	TWA	25 ppm	
Carbon dioxide (CAS 124-38-9)	STEL	30000 ppm	
	TWA	5000 ppm	
Cumene (CAS 98-82-8)	TWA	50 ppm	
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	TWA	5 mg/m3	Inhalable fraction.
Distillates (petroleum), hydrotreated light naphthenic (CAS 64742-53-6)	TWA	5 mg/m3	Inhalable fraction.
Ethanol, 2-butoxy- (CAS 111-76-2)	TWA	20 ppm	
Solvent naphtha (petroleum), medium aliphatic (CAS 64742-88-7)	TWA	200 mg/m3	Non-aerosol.
Stoddard solvent (CAS 8052-41-3)	TWA	100 ppm	

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

Components	Type	Value	Form
2-Butanol (CAS 78-92-2)	TWA	100 ppm	
2-Pentanone, 4-hydroxy-4-methyl- (CAS 123-42-2)	TWA	50 ppm	
Benzene, 1,2,3-trimethyl- (CAS 526-73-8)	TWA	25 ppm	
Benzene, 1,2,4-trimethyl- (CAS 95-63-6)	TWA	25 ppm	
Benzene, 1,3,5-trimethyl- (CAS 108-67-8)	TWA	25 ppm	
Carbon dioxide (CAS 124-38-9)	STEL	30000 ppm	
	TWA	5000 ppm	
Cumene (CAS 98-82-8)	TWA	50 ppm	
Ethanol, 2-butoxy- (CAS 111-76-2)	TWA	20 ppm	
Solvent naphtha (petroleum), medium aliphatic (CAS 64742-88-7)	TWA	200 mg/m3	Non-aerosol.

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

Components	Type	Value	Form
Stoddard solvent (CAS 8052-41-3)	TWA	100 ppm	

Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety)

Components	Type	Value	Form
2-Butanol (CAS 78-92-2)	TWA	303 mg/m3 100 ppm	
2-Pentanone, 4-hydroxy-4-methyl- (CAS 123-42-2)	TWA	238 mg/m3 50 ppm	
Benzene, 1,2,3-trimethyl- (CAS 526-73-8)	TWA	123 mg/m3 25 ppm	
Benzene, 1,2,4-trimethyl- (CAS 95-63-6)	TWA	123 mg/m3 25 ppm	
Benzene, 1,3,5-trimethyl- (CAS 108-67-8)	TWA	123 mg/m3 25 ppm	
Carbon dioxide (CAS 124-38-9)	STEL	54000 mg/m3 30000 ppm	
	TWA	9000 mg/m3 5000 ppm	
Cumene (CAS 98-82-8)	TWA	246 mg/m3 50 ppm	
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.
Distillates (petroleum), hydrotreated light naphthenic (CAS 64742-53-6)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.
Ethanol, 2-butoxy- (CAS 111-76-2)	TWA	97 mg/m3 20 ppm	
Solvent naphtha (petroleum), medium aliphatic (CAS 64742-88-7)	TWA	1590 mg/m3 400 ppm	
Stoddard solvent (CAS 8052-41-3)	TWA	525 mg/m3 100 ppm	

Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21)

Components	Type	Value	Form
2-Butanol (CAS 78-92-2)	15 minute	125 ppm	
	8 hour	100 ppm	
2-Pentanone, 4-hydroxy-4-methyl- (CAS 123-42-2)	15 minute	60 ppm	
	8 hour	50 ppm	
Benzene, 1,2,3-trimethyl- (CAS 526-73-8)	15 minute	30 ppm	
	8 hour	25 ppm	
Benzene, 1,2,4-trimethyl- (CAS 95-63-6)	15 minute	30 ppm	

Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21)

Components	Type	Value	Form
	8 hour	25 ppm	
Benzene, 1,3,5-trimethyl- (CAS 108-67-8)	15 minute	30 ppm	
	8 hour	25 ppm	
Carbon dioxide (CAS 124-38-9)	15 minute	30000 ppm	
	8 hour	5000 ppm	
Cumene (CAS 98-82-8)	15 minute	74 ppm	
	8 hour	50 ppm	
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	15 minute	10 mg/m3	
	8 hour	5 mg/m3	
Distillates (petroleum), hydrotreated light naphthenic (CAS 64742-53-6)	15 minute	10 mg/m3	
	8 hour	5 mg/m3	
Distillates (petroleum), light hydrotreated (CAS 64742-47-8)	15 minute	250 mg/m3	Vapor.
	8 hour	200 mg/m3	Vapor.
Ethanol, 2-butoxy- (CAS 111-76-2)	15 minute	30 ppm	
	8 hour	20 ppm	
Stoddard solvent (CAS 8052-41-3)	15 minute	125 ppm	
	8 hour	100 ppm	

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

Components	Type	Value	Form
2-Butanol (CAS 78-92-2)	PEL	450 mg/m3 150 ppm	
2-Pentanone, 4-hydroxy-4-methyl- (CAS 123-42-2)	PEL	240 mg/m3 50 ppm	
Carbon dioxide (CAS 124-38-9)	PEL	9000 mg/m3 5000 ppm	
Cumene (CAS 98-82-8)	PEL	245 mg/m3 50 ppm	
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	PEL	5 mg/m3 2000 mg/m3 500 ppm	Mist.
Distillates (petroleum), hydrotreated light naphthenic (CAS 64742-53-6)	PEL	5 mg/m3 2000 mg/m3 500 ppm	Mist.
Ethanol, 2-butoxy- (CAS 111-76-2)	PEL	240 mg/m3 50 ppm	
Solvent naphtha (petroleum), medium aliphatic (CAS 64742-88-7)	PEL	400 mg/m3	

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

Components	Type	Value	Form
		100 ppm	
Stoddard solvent (CAS 8052-41-3)	PEL	2900 mg/m3	
		500 ppm	

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
2-Butanol (CAS 78-92-2)	TWA	100 ppm	
2-Pentanone, 4-hydroxy-4-methyl- (CAS 123-42-2)	TWA	50 ppm	
Benzene, 1,2,3-trimethyl- (CAS 526-73-8)	TWA	25 ppm	
Benzene, 1,2,4-trimethyl- (CAS 95-63-6)	TWA	25 ppm	
Benzene, 1,3,5-trimethyl- (CAS 108-67-8)	TWA	25 ppm	
Carbon dioxide (CAS 124-38-9)	STEL	30000 ppm	
	TWA	5000 ppm	
Cumene (CAS 98-82-8)	TWA	50 ppm	
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	TWA	5 mg/m3	Inhalable fraction.
Distillates (petroleum), hydrotreated light naphthenic (CAS 64742-53-6)	TWA	5 mg/m3	Inhalable fraction.
Ethanol, 2-butoxy- (CAS 111-76-2)	TWA	20 ppm	
Solvent naphtha (petroleum), medium aliphatic (CAS 64742-88-7)	TWA	200 mg/m3	Non-aerosol.
Stoddard solvent (CAS 8052-41-3)	TWA	100 ppm	

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value	Form
2-Butanol (CAS 78-92-2)	STEL	455 mg/m3 150 ppm	
	TWA	305 mg/m3 100 ppm	
2-Pentanone, 4-hydroxy-4-methyl- (CAS 123-42-2)	TWA	240 mg/m3	
		50 ppm	
Benzene, 1,2,3-trimethyl- (CAS 526-73-8)	TWA	125 mg/m3	
		25 ppm	
Benzene, 1,2,4-trimethyl- (CAS 95-63-6)	TWA	125 mg/m3	
		25 ppm	
Benzene, 1,3,5-trimethyl- (CAS 108-67-8)	TWA	125 mg/m3	
		25 ppm	
Carbon dioxide (CAS 124-38-9)	STEL	54000 mg/m3	
		30000 ppm	
	TWA	9000 mg/m3 5000 ppm	
Cumene (CAS 98-82-8)	TWA	245 mg/m3	

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value	Form
		50 ppm	
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	Ceiling	1800 mg/m3	
	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.
Distillates (petroleum), hydrotreated light naphthenic (CAS 64742-53-6)	Ceiling	1800 mg/m3	
	STEL	10 mg/m3	Mist.
Distillates (petroleum), light hydrotreated (CAS 64742-47-8)	TWA	100 mg/m3	
Ethanol, 2-butoxy- (CAS 111-76-2)	TWA	24 mg/m3	
		5 ppm	
Stoddard solvent (CAS 8052-41-3)	Ceiling	1800 mg/m3	
	TWA	350 mg/m3	

Biological limit values

ACGIH Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling Time
Ethanol, 2-butoxy- (CAS 111-76-2)	200 mg/g	Butoxyacetic acid (BAA), with hydrolysis	Creatinine in urine	*

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

Exposure guidelines

Canada - Alberta OELs: Skin designation

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

Canada - British Columbia OELs: Skin designation

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

Canada - Manitoba OELs: Skin designation

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

Canada - Ontario OELs: Skin designation

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

Canada - Saskatchewan OELs: Skin designation

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

US ACGIH Threshold Limit Values: Skin designation

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

US NIOSH Pocket Guide to Chemical Hazards: Skin designation

Cumene (CAS 98-82-8)	Can be absorbed through the skin.
Ethanol, 2-butoxy- (CAS 111-76-2)	Can be absorbed through the skin.

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

Cumene (CAS 98-82-8)	Can be absorbed through the skin.
Ethanol, 2-butoxy- (CAS 111-76-2)	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) 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	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	Spray
Physical state	Liquid.
Form	Liquefied gas.
Color	Red
Odor	Not available.
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	Not available.
Partition coefficient (n-octanol/water)	Not available.
Flash point	Not available.
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	50 - 60 psi @ 21°C
Vapor density	Not available.
Relative density	0.844 - 0.884
Solubility(ies)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	5 cps LV2 60 rpm @ 40°C

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	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Do not mix with other chemicals.
Incompatible materials	Strong oxidizing agents.
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 Prolonged inhalation may be harmful.

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

2-Butoxy ethanol may be absorbed through the skin in toxic amounts if contact is repeated and prolonged. These effects have not been observed in humans.

Eye contact Causes serious eye irritation.

Symptoms related to the physical, chemical and toxicological characteristics Aspiration may cause pulmonary edema and pneumonitis. 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.

Components	Species	Test Results
2-Butanol (CAS 78-92-2)		
Acute		
Dermal		
LD50	Rat	> 2000 mg/kg, 24 Hours, ECHA
Inhalation		
LC50	Rat	23500 mg/m3, 8 Hours, RTECS
Oral		
LD50	Rabbit	4893 mg/kg, RTECS
	Rat	2193 mg/kg, ECHA
2-Pentanone, 4-hydroxy-4-methyl- (CAS 123-42-2)		
Acute		
Dermal		
LD50	Rat	> 1875 mg/kg, 24 Hours, ECHA
Inhalation		
LC50	Rat	7600 mg/m³, 4 h, ECHA
Oral		
LD50	Rat	3002 mg/kg, ECHA
Benzene, 1,2,3-trimethyl- (CAS 526-73-8)		
Acute		
Dermal		
LD50	Not available	
Inhalation		
LC50	Not available	
Oral		
LD50	Rat	8970 mg/kg, HSDB
Benzene, 1,2,4-trimethyl- (CAS 95-63-6)		
Acute		
Dermal		
LD50	Rat	3440 mg/kg, 24 Hours, ECHA

Components	Species	Test Results
Inhalation		
LC50	Rat	10200 mg/m3, 4 Hours, ECHA
Oral		
LD50	Rat	6000 mg/kg, ECHA
Benzene, 1,3,5-trimethyl- (CAS 108-67-8)		
Acute		
Dermal		
LD50	Rat	> 2000 mg/kg, ECHA
		> 4 ml/kg, 24 Hours, ECHA
Inhalation		
LC50	Rat	10200 mg/m3, 4 Hours, ECHA
Oral		
LD50	Rat	6000 mg/kg, ECHA
Carbon dioxide (CAS 124-38-9)		
Acute		
Dermal		
LD50	Not available	
Inhalation		
LC50	Not available	
Oral		
LD50	Not available	
Cumene (CAS 98-82-8)		
Acute		
Dermal		
LD50	Rabbit	> 3160 mg/kg, 24 Hours, ECHA
Inhalation		
LC50	Rat	22.1 mg/L, 1 hr, ECHA
Oral		
LD50	Rat	2260 mg/kg, ECHA
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)		
Acute		
Dermal		
LD50	Rabbit	> 5000 mg/kg, 24 Hours, ECHA
Inhalation		
LC50	Rat	> 5.2 mg/L, 4 Hours, ECHA
Oral		
LD50	Rat	> 5000 mg/kg, ECHA
Distillates (petroleum), hydrotreated light naphthenic (CAS 64742-53-6)		
Acute		
Dermal		
LD50	Rabbit	> 2000 mg/kg, 24 Hours, ECHA
Inhalation		
LC50	Rat	> 5.5 mg/L, 4 Hours, ECHA
Oral		
LD50	Rat	5000 mg/kg, ECHA
Distillates (petroleum), light hydrotreated (CAS 64742-47-8)		
Acute		
Dermal		
LD50	Rabbit	> 2000 mg/kg, 24 Hours, ECHA
Inhalation		
LC50	Rat	> 5.3 mg/L, 4 Hours, ECHA
Oral		
LD50	Rat	> 5000 mg/kg, ECHA

Components	Species	Test Results
Ethanol, 2-butoxy- (CAS 111-76-2)		
Acute		
Dermal		
LD50	Rabbit	> 2000 mg/kg, 24 Hours, ECHA
Inhalation		
LC50	Rat	486 ppm, 4 Hours, ECHA
		450 ppm, 4 Hours, ECHA
Oral		
LD50	Guinea pig	1414 mg/kg, ECHA
Pine oil (CAS 8002-09-3)		
Acute		
Dermal		
LD50	Not available	
Inhalation		
LC50	Not available	
Oral		
LD50	Rat	> 5000 mg/kg, ECHA
Solvent naphtha (petroleum), light aromatic (CAS 64742-95-6)		
Acute		
Dermal		
LD50	Rabbit	> 2000 mg/kg, 24 Hours, ECHA
Inhalation		
LC50	Rat	> 5610 mg/m3, 4 Hours, ECHA
Oral		
LD50	Rat	> 5000 mg/kg, ECHA
Solvent naphtha (petroleum), medium aliphatic (CAS 64742-88-7)		
Acute		
Dermal		
LD50	Rabbit	> 2000 mg/kg, ECHA
Inhalation		
LC50	Rat	> 5.3 mg/L, 4 Hours, ECHA
Oral		
LD50	Rat	> 5000 mg/kg, ECHA
Stoddard solvent (CAS 8052-41-3)		
Acute		
Dermal		
LD50	Rabbit	> 3000 mg/kg, ECHA
Inhalation		
LC50	Rat	> 5500 mg/m3
		> 5.5 mg/l/4h, ECHA
Oral		
LD50	Rat	> 5000 mg/kg, ECHA
Terpineol (CAS 8000-41-7)		
Acute		
Dermal		
LD50	Rat	> 2000 mg/kg, 24 Hours, ECHA
Inhalation		
LC50	Rat	> 4.8 mg/L, 4 Hours, ECHA
Oral		
LD50	Rat	> 2000 mg/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 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

2-Pentanone, 4-hydroxy-4-methyl- (CAS 123-42-2)	Irritant
Ethanol, 2-butoxy- (CAS 111-76-2)	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 Suspected of causing cancer. See below.

ACGIH Carcinogens

Distillates (petroleum), hydrotreated light naphthenic (CAS 64742-53-6)	A2 Suspected human carcinogen.
Ethanol, 2-butoxy- (CAS 111-76-2)	A3 Confirmed animal carcinogen with unknown relevance to humans.
Solvent naphtha (petroleum), medium aliphatic (CAS 64742-88-7)	A3 Confirmed animal carcinogen with unknown relevance to humans.

California Proposition 65 - CRT: Listed date/Carcinogenic substance

Cumene (CAS 98-82-8)

Canada - Manitoba OELs: carcinogenicity

Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	Suspected human carcinogen.
Distillates (petroleum), hydrotreated light naphthenic (CAS 64742-53-6)	Suspected human carcinogen.
Ethanol, 2-butoxy- (CAS 111-76-2)	Confirmed animal carcinogen with unknown relevance to humans.
Solvent naphtha (petroleum), medium aliphatic (CAS 64742-88-7)	Confirmed animal carcinogen with unknown relevance to humans.

IARC Monographs. Overall Evaluation of Carcinogenicity

Cumene (CAS 98-82-8)	Volume 101 - 2B Possibly carcinogenic to humans.
Ethanol, 2-butoxy- (CAS 111-76-2)	Volume 88 - 3 Not classifiable as to carcinogenicity to humans.
Solvent naphtha (petroleum), light aromatic (CAS 64742-95-6)	Volume 47 - 3 Not classifiable as to carcinogenicity to humans.
Solvent naphtha (petroleum), medium aliphatic (CAS 64742-88-7)	Volume 47 - 3 Not classifiable as to carcinogenicity to humans.
Stoddard solvent (CAS 8052-41-3)	Volume 47 - 3 Not classifiable as to carcinogenicity to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not listed.

US NTP Report on Carcinogens: Anticipated carcinogen

Cumene (CAS 98-82-8)	Reasonably Anticipated to be a Human Carcinogen.

US NTP Report on Carcinogens: Known carcinogen

Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	Known To Be Human Carcinogen.
Distillates (petroleum), hydrotreated light naphthenic (CAS 64742-53-6)	Known To Be Human Carcinogen.

Reproductive toxicity Suspected of damaging fertility or the unborn child.

Teratogenicity Not available.

Specific target organ toxicity - single exposure Not classified.

Specific target organ toxicity - repeated exposure Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard May be fatal if swallowed and enters airways.

Chronic effects

Causes damage to organs through prolonged or repeated exposure. May be harmful if absorbed through skin. Prolonged inhalation may be harmful.

2-Butoxy ethanol may be absorbed through the skin in toxic amounts if contact is repeated and prolonged. These effects have not been observed in humans.

Prolonged exposure may cause chronic effects.

12. Ecological information

Ecotoxicity See below

Ecotoxicological data

Components		Species	Test Results
2-Butanol (CAS 78-92-2)			
Crustacea	EC50	Daphnia	3750 mg/L, 48 Hours
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	1859 - 7143 mg/L, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas)	3380 - 3990 mg/L, 96 hours
2-Pentanone, 4-hydroxy-4-methyl- (CAS 123-42-2)			
Aquatic			
Fish	LC50	Bluegill (Lepomis macrochirus)	420 mg/L, 96 hours
Benzene, 1,2,4-trimethyl- (CAS 95-63-6)			
Crustacea	EC50	Daphnia	6.14 mg/L, 48 Hours
Aquatic			
Fish	LC50	Fathead minnow (Pimephales promelas)	7.19 - 8.28 mg/L, 96 hours
Benzene, 1,3,5-trimethyl- (CAS 108-67-8)			
Aquatic			
Fish	LC50	Goldfish (Carassius auratus)	9.89 - 15.05 mg/L, 96 hours
Cumene (CAS 98-82-8)			
Algae	IC50	Algae	2.6 mg/L, 72 Hours
Crustacea	EC50	Daphnia	0.6 mg/L, 48 Hours
Aquatic			
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	2.7 mg/L, 96 hours
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)			
Crustacea	EC50	Daphnia	1000 mg/L, 48 Hours
Distillates (petroleum), hydrotreated light naphthenic (CAS 64742-53-6)			
Crustacea	EC50	Daphnia	1000 mg/L, 48 Hours
Distillates (petroleum), light hydrotreated (CAS 64742-47-8)			
Aquatic			
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	2.9 mg/L, 96 hours
Ethanol, 2-butoxy- (CAS 111-76-2)			
Crustacea	EC50	Daphnia	1819 mg/L, 48 Hours
Aquatic			
Fish	LC50	Inland silverside (Menidia beryllina)	1250 mg/L, 96 hours
Pine oil (CAS 8002-09-3)			
Crustacea	EC50	Daphnia	22.5 mg/L, 48 Hours
Solvent naphtha (petroleum), light aromatic (CAS 64742-95-6)			
Crustacea	EC50	Daphnia	6.14 mg/L, 48 Hours
Solvent naphtha (petroleum), medium aliphatic (CAS 64742-88-7)			
Crustacea	EC50	Daphnia	100 mg/L, 48 Hours
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 any ingredients in the mixture.
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.

U.S. Department of Transportation (DOT)

Basic shipping requirements:

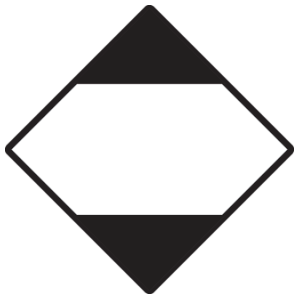
UN number	UN1950
Proper shipping name	Aerosols, non-flammable, (each not exceeding 1 L capacity)
Hazard class	Limited Quantity - US
Packaging exceptions	<1L - Limited Quantity

Transportation of Dangerous Goods (TDG - Canada)

Basic shipping requirements:

UN number	UN1950
Proper shipping name	AEROSOLS, non-flammable
Hazard class	Limited Quantity - Canada
Packaging exceptions	<1L - Limited Quantity

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

Carbon dioxide (CAS 124-38-9)	Listed.
Ethanol, 2-butoxy- (CAS 111-76-2)	Listed.

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

Benzene, 1,2,3-trimethyl- (CAS 526-73-8)	1 TONNES
Benzene, 1,2,4-trimethyl- (CAS 95-63-6)	1 TONNES
Benzene, 1,3,5-trimethyl- (CAS 108-67-8)	1 TONNES
Distillates (petroleum), light hydrotreated (CAS 64742-47-8)	1 TONNES
Ethanol, 2-butoxy- (CAS 111-76-2)	1 TONNES
Solvent naphtha (petroleum), light aromatic (CAS 64742-95-6)	1 TONNES
Solvent naphtha (petroleum), medium aliphatic (CAS 64742-88-7)	1 TONNES

Stoddard solvent (CAS 8052-41-3) 1 TONNES

Canada Priority Substances List (Second List): Listed substance

Ethanol, 2-butoxy- (CAS 111-76-2) Listed.

Export Control List (CEPA 1999, Schedule 3)

Not listed.

Greenhouse Gases

Carbon dioxide (CAS 124-38-9)

Precursor Control Regulations

Not regulated.

WHMIS 2015 Exemptions Not applicable

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

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

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

2-Butanol (CAS 78-92-2) Listed.
Cumene (CAS 98-82-8) Listed.
Ethanol, 2-butoxy- (CAS 111-76-2) Listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance No

SARA 311/312 Hazardous chemical Yes

Classified hazard categories
Gas under pressure
Skin corrosion or irritation
Serious eye damage or eye irritation
Respiratory or skin sensitization
Carcinogenicity
Reproductive toxicity
Specific target organ toxicity (single or repeated exposure)
Aspiration hazard

SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.
2-Butanol	78-92-2	1-5*
Benzene, 1,2,4-trimethyl-	95-63-6	5-10*
Cumene	98-82-8	0.1-1*
Ethanol, 2-butoxy-	111-76-2	1-5*

Other federal regulations

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

Cumene (CAS 98-82-8)

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

Not regulated.

US state regulations See below

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

2-Butanol (CAS 78-92-2) Listed.
2-Pentanone, 4-hydroxy-4-methyl- (CAS 123-42-2) Listed.
Benzene, 1,2,3-trimethyl- (CAS 526-73-8) Listed.
Benzene, 1,2,4-trimethyl- (CAS 95-63-6) Listed.
Benzene, 1,3,5-trimethyl- (CAS 108-67-8) Listed.
Carbon dioxide (CAS 124-38-9) Listed.
Cumene (CAS 98-82-8) Listed.
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5) Listed.
Distillates (petroleum), hydrotreated light naphthenic (CAS 64742-53-6) Listed.
Ethanol, 2-butoxy- (CAS 111-76-2) Listed.
Solvent naphtha (petroleum), medium aliphatic (CAS 64742-88-7) Listed.
Stoddard solvent (CAS 8052-41-3) Listed.

US - Illinois Chemical Safety Act: Listed substance

2-Butanol (CAS 78-92-2)
Cumene (CAS 98-82-8)
Ethanol, 2-butoxy- (CAS 111-76-2)

US - Louisiana Spill Reporting: Listed substance

2-Butanol (CAS 78-92-2)	Listed.
Cumene (CAS 98-82-8)	Listed.
Ethanol, 2-butoxy- (CAS 111-76-2)	Listed.

US - Minnesota Haz Subs: Listed substance

2-Butanol (CAS 78-92-2)	Listed.
2-Pentanone, 4-hydroxy-4-methyl- (CAS 123-42-2)	Listed.
Benzene, 1,2,3-trimethyl- (CAS 526-73-8)	Listed.
Benzene, 1,2,4-trimethyl- (CAS 95-63-6)	Listed.
Benzene, 1,3,5-trimethyl- (CAS 108-67-8)	Listed.
Carbon dioxide (CAS 124-38-9)	Listed.
Cumene (CAS 98-82-8)	Listed.
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	Listed.
Distillates (petroleum), hydrotreated light naphthenic (CAS 64742-53-6)	Listed.
Ethanol, 2-butoxy- (CAS 111-76-2)	Listed.
Solvent naphtha (petroleum), medium aliphatic (CAS 64742-88-7)	Listed.
Stoddard solvent (CAS 8052-41-3)	Listed.

US - Texas Effects Screening Levels Hazard Data: Simple asphyxiant

Carbon dioxide (CAS 124-38-9)

US - Texas Effects Screening Levels: Listed substance

2-Butanol (CAS 78-92-2)	Listed.
2-Pentanone, 4-hydroxy-4-methyl- (CAS 123-42-2)	Listed.
Benzene, 1,2,3-trimethyl- (CAS 526-73-8)	Listed.
Benzene, 1,2,4-trimethyl- (CAS 95-63-6)	Listed.
Benzene, 1,3,5-trimethyl- (CAS 108-67-8)	Listed.
Carbon dioxide (CAS 124-38-9)	Listed.
Cumene (CAS 98-82-8)	Listed.
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	Listed.
Distillates (petroleum), hydrotreated light naphthenic (CAS 64742-53-6)	Listed.
Distillates (petroleum), light hydrotreated (CAS 64742-47-8)	Listed.
Ethanol, 2-butoxy- (CAS 111-76-2)	Listed.
Pine oil (CAS 8002-09-3)	Listed.
Solvent naphtha (petroleum), light aromatic (CAS 64742-95-6)	Listed.
Solvent naphtha (petroleum), medium aliphatic (CAS 64742-88-7)	Listed.
Stoddard solvent (CAS 8052-41-3)	Listed.

US. Massachusetts RTK - Substance List

2-Butanol (CAS 78-92-2)
2-Pentanone, 4-hydroxy-4-methyl- (CAS 123-42-2)
Benzene, 1,2,3-trimethyl- (CAS 526-73-8)
Benzene, 1,2,4-trimethyl- (CAS 95-63-6)
Benzene, 1,3,5-trimethyl- (CAS 108-67-8)
Carbon dioxide (CAS 124-38-9)
Cumene (CAS 98-82-8)
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)
Distillates (petroleum), hydrotreated light naphthenic (CAS 64742-53-6)
Distillates (petroleum), light hydrotreated (CAS 64742-47-8)
Ethanol, 2-butoxy- (CAS 111-76-2)
Stoddard solvent (CAS 8052-41-3)

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

2-Butanol (CAS 78-92-2)
2-Pentanone, 4-hydroxy-4-methyl- (CAS 123-42-2)
Benzene, 1,2,3-trimethyl- (CAS 526-73-8)
Benzene, 1,2,4-trimethyl- (CAS 95-63-6)
Benzene, 1,3,5-trimethyl- (CAS 108-67-8)
Carbon dioxide (CAS 124-38-9)
Cumene (CAS 98-82-8)
Distillates (petroleum), light hydrotreated (CAS 64742-47-8)

Ethanol, 2-butoxy- (CAS 111-76-2)
Pine oil (CAS 8002-09-3)
Solvent naphtha (petroleum), medium aliphatic (CAS 64742-88-7)
Stoddard solvent (CAS 8052-41-3)

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

2-Butanol (CAS 78-92-2)
2-Pentanone, 4-hydroxy-4-methyl- (CAS 123-42-2)
Benzene, 1,2,3-trimethyl- (CAS 526-73-8)
Benzene, 1,2,4-trimethyl- (CAS 95-63-6)
Benzene, 1,3,5-trimethyl- (CAS 108-67-8)
Carbon dioxide (CAS 124-38-9)
Cumene (CAS 98-82-8)
Distillates (petroleum), light hydrotreated (CAS 64742-47-8)
Ethanol, 2-butoxy- (CAS 111-76-2)
Stoddard solvent (CAS 8052-41-3)

US. Rhode Island RTK

2-Butanol (CAS 78-92-2)
2-Pentanone, 4-hydroxy-4-methyl- (CAS 123-42-2)
Benzene, 1,2,3-trimethyl- (CAS 526-73-8)
Benzene, 1,2,4-trimethyl- (CAS 95-63-6)
Benzene, 1,3,5-trimethyl- (CAS 108-67-8)
Carbon dioxide (CAS 124-38-9)
Cumene (CAS 98-82-8)
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)
Distillates (petroleum), hydrotreated light naphthenic (CAS 64742-53-6)
Distillates (petroleum), light hydrotreated (CAS 64742-47-8)
Ethanol, 2-butoxy- (CAS 111-76-2)
Stoddard solvent (CAS 8052-41-3)

US. California Proposition 65

WARNING: This product can expose you to chemicals including Cumene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

California Proposition 65 - CRT: Listed date/Carcinogenic substance

Cumene (CAS 98-82-8) Listed: April 6, 2010

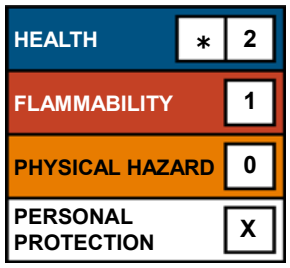
Inventory status

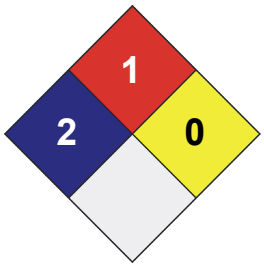
Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*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





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

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Prepared by Nu-Calgon Technical Service Phone: (314) 469-7000

Further information Not available.

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