

1. Product and Company Identification



Product identifier	Degreasing Solvent LV (4083-83)	
Other means of identification	Not available	
Recommended use	Degreaser	
Recommended restrictions	None known.	
Manufacturer information	Nu-Calgon 2611 Schuetz Road St. Louis, MO 63043 US Phone: 314-469-7000 / 800-554-5499 Emergency Phone: 1-800-424-9300 (CHEMTF	REC)
Supplier	See above.	
	2. Hazards Identification	n
Physical hazards	Flammable aerosols	Category 1
	Gases under pressure	Liquefied gas
Health hazards	Serious eye damage/eye irritation	Category 2A
	Germ cell mutagenicity	Category 1B
	Carcinogenicity	Category 1B
	Reproductive toxicity	Category 2
	Specific target organ toxicity, single exposure	Category 3 narcotic effects
	Specific target organ toxicity, repeated exposure	Category 2
Environmental hazards	Not classified.	
WHMIS 2015 defined hazards	Not classified	
Label elements		
Signal word	Danger	
Hazard statement		nder pressure; may explode if heated. Causes r dizziness. May cause genetic defects. May cause unborn child. May cause damage to organs through
Precautionary statement		
Prevention	Do not spray on an open flame or other ignitio Wash thoroughly after handling. Wear protecti protection. Avoid breathing dust/fume/vapors/s	ben flames and other ignition sources. No smoking. n source. Do not pierce or burn, even after use. ve gloves/protective clothing/eye protection/face spray. Use only outdoors or in a well-ventilated area. handle until all safety precautions have been read
Response	and easy to do. Continue rinsing. If eye irritation	keep comfortable for breathing. Call a POISON
Storage	Protect from sunlight. Do not expose to tempe well-ventilated place. Keep container tightly cla	
Disposal	Dispose of contents/container in accordance v	vith local/regional/national/international regulations.
WHMIS 2015: Health Hazard(s) not otherwise classified (HHNOC)	None known	
WHMIS 2015: Physical Hazard(s) not otherwise classified (PHNOC)	None known	

classified (PHNOC)

None known.

Supplemental information

3. Composition/Information on Ingredients

Chemical name	Common name and synonyms	CAS number	%
Acetone		67-64-1	59-97
Naphtha (petroleum), hydrotreated light		64742-49-0	4-9
Carbon dioxide		124-38-9	3-7
Toluene		108-88-3	1.1-2
Benzene		71-43-2	Trace
Heptane		142-82-5	Trace
Methanol		67-56-1	Trace
Xylene		1330-20-7	Trace

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

	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	Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.			
Eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.			
Ingestion	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. 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 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. Avoid contact with eyes and skin. Keep out of reach of children.			
	5. Fire Fighting Measures			
Suitable extinguishing media	Dry chemical. Foam. Carbon dioxide.			
Unsuitable extinguishing media	None known.			
Specific hazards arising from the chemical	Contents under pressure. Pressurized container may explode when exposed to heat or flame. During fire, gases hazardous to health may be formed.			
Special protective equipment and precautions for firefighters	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. Containers should be cooled with water to prevent vapor pressure build up.			
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. Cool containers exposed to flames with water until well after the fire is out. In the event of fire and/or explosion do not breathe fumes.			
General fire hazards	Extremely flammable aerosol. Contents under pressure. Pressurized container may explode when exposed to heat or flame.			
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 gas. Emergency personnel need self-contained breathing equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	Refer to attached safety data sheets and/or instructions for use. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.
	Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS.
Environmental precautions	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 cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Do not smoke while using or until sprayed surface is thoroughly dry. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not re-use empty containers. Do not breathe vapors or spray mist. Avoid contact with eyes, skin and clothing. Pregnant or breastfeeding women must not handle this product. Use only in well-ventilated areas. Avoid prolonged exposure. Wear appropriate personal protective equipment. Wash thoroughly after handling. Use good industrial hygiene practices in handling this material. When using do not eat or drink.
Conditions for safe storage, including any incompatibilities	Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not handle or store near an open flame, heat or other sources of ignition. Do not puncture, incinerate or crush. Store in a well-ventilated place. Cylinders should be stored upright, with valve protection cap in place, and firmly secured to prevent falling or being knocked over. Stored containers should be periodically checked for general condition and leakage.

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8. Exposure Controls/Personal Protection

Occupational exposure limits

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

Components	Туре	Value	
Acetone (CAS 67-64-1)	STEL	1800 mg/m3	
		750 ppm	
	TWA	1200 mg/m3	
		500 ppm	
Benzene (CAS 71-43-2)	STEL	8 mg/m3	
		2.5 ppm	
	TWA	1.6 mg/m3	
		0.5 ppm	
Carbon dioxide (CAS 124-38-9)	STEL	54000 mg/m3	
		30000 ppm	
	TWA	9000 mg/m3	
		5000 ppm	
Heptane (CAS 142-82-5)	STEL	2050 mg/m3	
		500 ppm	
	TWA	1640 mg/m3	
		400 ppm	
Methanol (CAS 67-56-1)	STEL	328 mg/m3	
		250 ppm	
	TWA	262 mg/m3	
		200 ppm	

Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2) Components Type Value			
Naphtha (petroleum), hydrotreated light (CAS 64742-49-0)	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 Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

Components	Туре	Value	
Acetone (CAS 67-64-1)	STEL	500 ppm	
	TWA	250 ppm	
Benzene (CAS 71-43-2)	STEL	2.5 ppm	
	TWA	0.5 ppm	
Carbon dioxide (CAS 124-38-9)	STEL	15000 ppm	
	TWA	5000 ppm	
Heptane (CAS 142-82-5)	STEL	500 ppm	
	TWA	400 ppm	
Methanol (CAS 67-56-1)	STEL	250 ppm	
	TWA	200 ppm	
Toluene (CAS 108-88-3)	TWA	20 ppm	
Xylene (CAS 1330-20-7)	STEL	150 ppm	
	TWA	100 ppm	
Canada. Manitoba OELs (Reg. 21	7/2006, The Workplace Safety	And Health Act)	
Components	Туре	Value	
Acetone (CAS 67-64-1)	STEL	500 ppm	
	TWA	250 ppm	
Benzene (CAS 71-43-2)	STEL	2.5 ppm	
	TWA	0.5 ppm	
Carbon dioxide (CAS 124-38-9)	STEL	30000 ppm	
	TWA	5000 ppm	
Heptane (CAS 142-82-5)	STEL	500 ppm	
	TWA	400 ppm	
Methanol (CAS 67-56-1)	STEL	250 ppm	
	TWA	200 ppm	
Toluene (CAS 108-88-3)	TWA	20 ppm	
Xylene (CAS 1330-20-7)	STEL	150 ppm	
	TWA	100 ppm	
Canada. Ontario OELs. (Control o Components		nemical Agents) Value	
Acetone (CAS 67-64-1)	Type STEL	750 ppm	
	TWA	500 ppm	
		500 ppm	

Benzene (CAS 71-43-2)

2.5 ppm

0.5 ppm

STEL

TWA

Components	Туре	Value	
Carbon dioxide (CAS 124-38-9)	STEL	30000 ppm	
	TWA	5000 ppm	
Heptane (CAS 142-82-5)	STEL	500 ppm	
	TWA	400 ppm	
Methanol (CAS 67-56-1)	STEL	250 ppm	
	TWA	200 ppm	
Toluene (CAS 108-88-3)	TWA	20 ppm	
Xylene (CAS 1330-20-7)	STEL	150 ppm	
	TWA	100 ppm	

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

Components	Туре	Value
Acetone (CAS 67-64-1)	STEL	2380 mg/m3 1000 ppm
	TWA	1190 mg/m3 500 ppm
Benzene (CAS 71-43-2)	STEL	15.5 mg/m3 5 ppm
	TWA	3 mg/m3 1 ppm
Carbon dioxide (CAS 124-38-9)	STEL	54000 mg/m3
	TWA	30000 ppm 9000 mg/m3 5000 ppm
Heptane (CAS 142-82-5)	STEL	2050 mg/m3 500 ppm
	TWA	1640 mg/m3 400 ppm
Methanol (CAS 67-56-1)	STEL	328 mg/m3 250 ppm
	TWA	262 mg/m3 200 ppm
Naphtha (petroleum), hydrotreated light (CAS 64742-49-0)	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 Specifically Regulated Substar	nces (29 CFR 1910.1001-1050)	
Components	Туре	Value
Benzene (CAS 71-43-2)	STEL	5 ppm
	TWA	1 ppm
US. OSHA Table Z-1 Limits for Air Contan	ninants (29 CFR 1910.1000)	
Components	Туре	Value
Acetone (CAS 67-64-1)	PEL	2400 mg/m3 1000 ppm
Carbon dioxide (CAS 124-38-9)	PEL	9000 mg/m3
		5000 nnm

PEL

5000 ppm

2000 mg/m3

Components	Contaminants (29 CFR 1910.10 Type	Value	
		500 ppm	
Methanol (CAS 67-56-1)	PEL	260 mg/m3	
		200 ppm	
Naphtha (petroleum),	PEL	400 mg/m3	
hydrotreated light (CAS		100 mg, mo	
64742-49-0)		100	
		100 ppm	
(ylene (CAS 1330-20-7)	PEL	435 mg/m3	
		100 ppm	
JS. OSHA Table Z-2 (29 CFR 1910.1 Components	Туре	Value	
Benzene (CAS 71-43-2)	Ceiling	25 ppm	
	TWA	10 ppm	
oluene (CAS 108-88-3)	Ceiling	300 ppm	
	TWA	200 ppm	
JS. ACGIH Threshold Limit Values			
Components	Туре	Value	
Acetone (CAS 67-64-1)	STEL	500 ppm	
	TWA	250 ppm	
Benzene (CAS 71-43-2)	STEL	2.5 ppm	
	TWA	0.5 ppm	
Carbon dioxide (CAS	STEL	30000 ppm	
24-38-9)	0122	00000 pp	
	TWA	5000 ppm	
Heptane (CAS 142-82-5)	STEL	500 ppm	
	TWA	400 ppm	
Methanol (CAS 67-56-1)	STEL	250 ppm	
	TWA	200 ppm	
Foluene (CAS 108-88-3)	TWA	20 ppm	
(ylene (CAS 1330-20-7)	STEL	150 ppm	
	TWA	100 ppm	
JS. NIOSH: Pocket Guide to Chemi			
Components	Туре	Value	
Acetone (CAS 67-64-1)	TWA	590 mg/m3	
		250 ppm	
Benzene (CAS 71-43-2)	STEL	1 ppm	
	TWA	0.1 ppm	
Carbon dioxide (CAS	STEL	54000 mg/m3	
24-38-9)		20000	
		30000 ppm	
	TWA	9000 mg/m3	
		5000 ppm	
Heptane (CAS 142-82-5)	Ceiling	1800 mg/m3 440 ppm	
	T \0/0		
	TWA	350 mg/m3	
Asthenal (CAR CZ CC 4)		85 ppm	
Methanol (CAS 67-56-1)	STEL	325 mg/m3 250 ppm	
	T) 0 / 0	250 ppm	
	TWA	260 mg/m3	
	T) 0 / 0	200 ppm	
Naphtha (petroleum), hydrotreated light (CAS	TWA	400 mg/m3	
64742-49-0)			
		100 ppm	

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Туре	Value	
Toluene (CAS 108-88-3)	STEL	560 mg/m3	
	TWA	150 ppm 375 mg/m3	
		100 ppm	

Biological limit values

Components	Value	Determinant	Specimen	Sampling Time
Acetone (CAS 67-64-1)	25 mg/L	Acetone	Urine	*
Benzene (CAS 71-43-2)	25 µg/g	S-Phenylmerca pturic acid	Creatinine in 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	*
	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	*

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 O	0		
Benzene (CAS 71-43-2)	Can be absorbed through the skin.		
Methanol (CAS 67-56-1)	Can be absorbed through the skin.		
Canada - Manitoba OELs: Sk	-		
Benzene (CAS 71-43-2)	Can be absorbed through the skin.		
Methanol (CAS 67-56-1) Canada - Ontario OELs: Skin	Can be absorbed through the skin.		
	-		
Benzene (CAS 71-43-2) Methanol (CAS 67-56-1)	Can be absorbed through the skin. Can be absorbed through the skin.		
Canada - Quebec OELs: Skir			
Methanol (CAS 67-56-1)	Can be absorbed through the skin.		
Toluene (CAS 108-88-3)	Can be absorbed through the skin.		
Canada - Saskatchewan OEL	5		
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 V	alues: Skin designation		
Benzene (CAS 71-43-2)	Can be absorbed through the skin.		
Methanol (CAS 67-56-1)	Can be absorbed through the skin.		
US. NIOSH: Pocket Guide to	Chemical Hazards		
Methanol (CAS 67-56-1)	Can be absorbed through the skin.		
Appropriate engineering controls	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.		
Individual protection measures,	such as personal protective equipment		
Eye/face protection	Wear safety glasses with side shields (or goggles).		
Skin protection			
Hand protection	Impervious gloves. Confirm with reputable supplier first. PVC gloves. Neoprene. Nitrile		
Other	Wear suitable protective 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.		

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. When using do not eat or drink.

9. Physical and Chemical Properties

Appearance	Clear Liquid
Physical state	Gas.
Form	Aerosol. Spray
Color	Not available.
Odor	Sweet, Pungent
Odor threshold	Not available.
рН	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 available.
Upper/lower flammability or exp	losive 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	
Density	6.70609 lb/gal
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
VOC (Weight %)	9.50390 %
	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 stabilityMaterial is stable under normal conditions.Conditions to avoidHeat. Do not mix with other chemicals.Incompatible materialsAcids. Strong oxidizing agents. Reducing agents. Caustics.Hazardous decomposition
productsMay 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

General hygiene

considerations

Site contactNo adverse offects due to skin contact are expected.Symptoms rolated to the physical, chemical and physical, chemical an	Inhalation	May cause damage to organs through prolong drowsiness and dizziness. Headache. Nausea	ged or repeated exposure by inhalation. May cause a, vomiting.	
Symptome related to the physical, chemical and give points. May cause drowiness and dizziness. Headache, Nauses, wonfiling. Severe up initiation. Symptoms may include singing, tearing, redness. Information on toxicological characteristics. Species Test Results Components Species Test Results Components Species Test Results Acute toxicio Species Test Results Dormal 15000 mg/kg 10000 mg/m3/4H LCS0 Mouse 40000 mg/m3/4H LCS0 Mouse 39 mg/14h LCS0 Human 257 mg/kg LDS0 Human 39000 mg/kg Rabbit 39000 mg/kg 3000 mg/kg LDS0 Human 257 mg/kg LDS0 Human 3500 mg/kg LDS0 Human 253 mg/kg LDS0 Human 3240 mg/kg LDS0 Human 3250 mg/kg LDS0 Human 3260 mg/kg LDS0 Mouse 3200 mg/kg LDS0 Mouse 3200 mg/kg LDS0 <td< th=""><th>Skin contact</th><th colspan="3">No adverse effects due to skin contact are expected.</th></td<>	Skin contact	No adverse effects due to skin contact are expected.		
piysiaci, chemical and Symptoms may include stinging, tearing, redness, swelling, and blürred vision.' information on toxicological effects. Facute toxicity Naroeter facus in toxicological effects. Facute toxicity Species Spec	Eye contact	Causes serious eye irritation.		
Acute toxicity Narcotic effects. Components Species Test Results Acute Sections (CAS 87-64-1) Industion Rat Sections (CAS 87-64-1) Industion Rat Ad000 mg/mg/d4H LCS0 Mouse Ad000 mg/mg/d4H Oral Units Sections (CAS 71-43-2) Acute Section (CAS 71-43-2) Rat Acute Section (CAS 71-43-2) Acute Section (CAS 124-38-1) Acute Section (CAS 124-38-1) <th>physical, chemical and</th> <th></th> <th></th>	physical, chemical and			
ComportSpeciesTest ResultsActionActionDermalLDS0Rabbit5800 mg/kgInhalationLCS0Mouse44000 mg/m3/4HLCS0Mouse300 mg/kgInhalation3000 mg/kgInterpreter501 mg/L 8 HoursInterpreterSecond mg/kgInterpreter3000 mg/kgMouse3000 mg/kg3000 mg/kgBenzerrKabbit5800 mg/kgBenzerrKabbit5800 mg/kgBenzerrKabbit5800 mg/kgBenzerrKabbit5800 mg/kgLDS0Guinea pig> 9400 mg/kgLDS0Guinea pig2823 mg/kgInhalation1000 pg/m3, 4 HoursInhalation990 pg/mInhalation990 pg/mInhalation990 mg/kgInhalation990 mg/kgInhalationInhalationInhalationInhalationI	Information on toxicological eff	fects		
Acute Acute Acute Acute LD50 Rabbit	Acute toxicity	Narcotic effects.		
AcuteDemail15800 mg/kgDemail20 ml/kgInhalation4000 mg/kg/41Inhalation500 mg/kg/41India76 mg/L, 4 HoursRat76 mg/L, 4 HoursDemail76 mg/L, 4 HoursInternation800 mg/kgInternation800 mg/kg<	Components	Species	Test Results	
Dermal LDS0 Abbit 5800 mg/kg LDS0 Rabit 20 m/kg inhalation 44000 mg/m3/41 4000 LCS0 Mouse 4000 mg/m3/41 LDS0 Rat 50 mg/L a Hours JP JP 39 mg/L a Hours LDS0 Human 257 mg/kg LDS0 Mouse 3000 mg/kg Rabit 5300 mg/kg 5300 mg/kg Barcer Facte 5000 mg/kg Dermal 257 mg/kg 5000 mg/kg LDS0 Guinea pig 5400 mg/kg Dermal 2600 mg/kg LDS0 Guinea pig 9400 mg/kg LDS0 Mouse 2600 mg/kg LDS0 Mouse 13700 mg/kg LDS0 Mouse 13700 mg/kg LDS0 Mouse 13700 mg/kg LDS0 Mouse 4700 mg/kg LDS0 Mouse 600 mg/kg LDS0 Not available 13700 mg/kg LDS0 Not available 13700 mg/kg LDS0 Not available 14000 mg/kg<	Acetone (CAS 67-64-1)			
LDS0Rabbit15800 mg/kgInfalation20 m/kgLCS0Mouse44000 mg/m3/4HRat76 mg/L, 4 HoursS0.1 mg/L, 8 Hours30.1 mg/L, 8 HoursDarad76 mg/L, 4 HoursLDS0Human2857 mg/kgLDS0Human3000 mg/kgRatbit3000 mg/kgRabbit3000 mg/kgBenzer+CAS 71-43-2)KatbitActieS200 mg/kgDermalS200 mg/kgLDS0Guinea pigActieS200 mg/kgDermalS200 mg/kgLDS0MouseRabbitS200 mg/kgInhalationS200 mg/kgLDS0MouseRat44700 mg/m3, 4 HoursInhalationS200 mg/kgLDS0MouseRat2990 mg/kgLDS0MouseCarlS200 mg/kgLDS0Not availableCAS142-52-51S200 mg/kgHeistionS200 mg/kgLDS0Not availableLDS0Not availableCAS142-52-51Sanglic, 140ursHeistionSanglic, 140ursLDS0RatMalaticnSanglic, 140ursLDS0RatRatieSanglic, 140ursLDS0Not availableCAS142-52-51Sanglic, 140ursHeistieSanglic, 140ursLDS0RatRatieSanglic, 140ursLDS0RatRatieSanglic, 140ursRatieSanglic, 140urs <td></td> <td></td> <td></td>				
Inhalation Joingle Inhalation Kat LC50 Mouse Rat 76 mg/L, 4 Hours 0 mg/L, 8 Hours 39 mg/L/4h Oral 2857 mg/kg LD50 Human Mouse 3000 mg/kg Ratbit 5340 mg/kg Benzeme (CAS 71-43-2) Acute Acute 5800 mg/kg Darmal 2857 mg/kg LD50 Guinea pig LD50 Guinea pig LD50 Mouse Ratbit 2860 mg/kg LD50 Mouse Ratbit 2860 mg/kg LD50 Mouse Rath 4700 mg/kg LD50 Mouse Rath 2980 ppm LD50 Mouse Rath 2980 mg/kg LD50 Mouse Rath 2980 mg/kg LD50 Mouse Rath 2980 mg/kg LD50 Not available LD50 No		Rabbit	15800 ma/ka	
Inhalation 44000 mg/m3/4H LC50 Mouse 46000 mg/m3/4H Rat 76 mg/L, 4 Hours 39 mg/l/4h Oral 39 mg/l/4h 39 mg/l/4h Oral 2857 mg/kg 3000 mg/kg LD50 Human 2857 mg/kg Rat 3000 mg/kg 340 mg/kg Enzere (CAS 71-43-2) Rat 3000 mg/kg Acute 2857 mg/kg 2850 mg/kg Dormal Eusene (CAS 71-43-2) 2860 mg/kg Acute 2800 mg/kg 2860 mg/kg Dormal Eusene (CAS 71-43-2) 2800 mg/kg LD50 Guinea pig > 9400 mg/kg LD50 Rabbit 28260 mg/kg IL50 Mouse 9980 ppm LC50 Mouse 2900 mg/kg LD50 Mouse 4700 mg/m3, 4 Hours LD50 Mouse 2990 mg/kg LD50 Mouse 990 mg/kg LC50 Mouse 4700 mg/mg/kg LC50 Not available 10000 pm, 7 Hours <	EDS0	Rabbit		
LC50Mouse44000 mg/m3/4HRat76 mg/L, 4 Hours50.1 mg/L, 8 Hours301 mg/L, 8 HoursJamg/L4303 mg/L4Coral2857 mg/kgLD50Human2857 mg/kgMouse3000 mg/kgBenzeme (CAS 71-43-2)S800 mg/kgAcuteS800 mg/kgBenzeme (CAS 71-43-2)S800 mg/kgBenzeme (CAS 71-43-2)S800 mg/kgBenzeme (CAS 71-43-2)RatBenzeme (CAS 71-43-2)S800 mg/kgBenzeme (CAS 12-43-39-S800 mg/kgCoralS800 mg/kgLD50Mouse4700 mg/kgLD50Mouse4700 mg/kgCarbot (Icold (CAS 12-43-89-)S800 mg/kgLD50Not availableLD50Not availableLD50Not availableLD50Not availableHeptater (CAS 12-42-85-)Heptater			20 m/kg	
Rat 76 mg/L 4 Hours 50.1 mg/L 8 Hours 39 mg/l/4h Oral 39 mg/l/4h LD50 Human Mouse 3000 mg/kg Rabbit 6340 mg/kg Rabbit 6340 mg/kg Rat 5800 mg/kg Benzene (CAS 71-43-2) Katte Dermal 5800 mg/kg LD50 Guinea pig Acute 8263 mg/kg Dermal 8263 mg/kg LD50 Rabbit Rabbit 8263 mg/kg LD50 Mouse Rat 44700 mg/m3, 4 Hours LD50 Mouse Rat 44700 mg/kg LD50 Mouse Rat 2990 mg/kg Babit 2990 mg/kg LD50 Mouse Rat 2990 mg/kg Babit 2990 mg/kg Babi		Mouse	44000 mg/m3/4H	
Oral 39 mg/V4h Oral 4000000000000000000000000000000000000	2000		-	
QraiHuman2857 mg/kqLD50Human2857 mg/kqMouse3000 mg/kqRabbit5340 mg/kqBenzerKata5800 mg/kqEncerSamana5800 mg/kqDomalSamanaSamanaLD50Guinea pig9400 mg/kgLD50Guinea pig960 opmlLC50Mouse9980 opmLC50Mouse9980 opmLD50Mouse1300 mg/kqLD50Mouse990 opmLD50Mouse990 opmLC50Mouse990 opm, 7 HoursLD50Mouse990 mg/kgLD50Mouse990 mg/kgLD50Mouse990 mg/kgLD50Mouse990 mg/kgLD50Mouse990 mg/kgLD50Mouse990 mg/kgLD50Mouse1000 pm, 7 HoursCraiLD50Not availableLD50Not availableState State Stat				
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LD50Human2857 mg/kgMouse3000 mg/kgRabit5340 mg/kgBenzers(CAS 71-43-2)RatAcute9400 mg/kgDermal> 9400 mg/kgDermal2630 mg/kgLD50Guinea pigMabit2630 mg/kgDermal2600 mg/kgLD50MouseBabit2600 mg/kgLD50MouseBabit9800 pmLC50MouseRat4700 mg/m3.4 HoursLD50MouseAcute13700 mg/kgLD50MouseRat2990 mg/kgLD50MouseRat2990 mg/kgLD50Not availableCarbon			39 mg/i/4n	
Mouse Mouse 3000 mg/kg Rabbit 5340 mg/kg 5400 mg/kg		Human	2857 ma/ka	
Rabbit 5340 mg/kg Benzene (CAS 71-43-2) 5800 mg/kg Acute - Dormal - Dormal - LD50 Guinea pig > 9400 mg/kg Rabbit 8263 mg/kg LD50 Rabbit 8260 mg/kg Inhalation - 8260 mg/kg LC50 Mouse 9980 ppm LD50 Rat 44700 mg/mg, 4 Hours LD50 Mouse 13700 mg/kg LD50 Mouse 2990 mg/kg Carlo - 4700 mg/kg LD50 Mouse 2990 mg/kg Rat 2990 mg/kg Goral - - LD50 Not available - Oral - - LD50 Not available - Oral - - LD50 Not available - D50 Not available - LD50 Not available - LD50 Rat 103 mg/L, 4 Hours LD50 Rat 103 mg/L, 4 Hours LD50 Mouse - LD50 Mouse - LD50 Mouse 103 mg/L, 4 Hours	LDJU			
Rat 5800 mg/kg Benzen-(CAS 71-43-2) Acute Acute 9400 mg/kg Dermal 8263 mg/kg LD50 Guinea pig 9400 mg/kg Rabbit 8263 mg/kg LD50 Rabbit 8260 mg/kg LD50 Mouse 9980 ppm LD50 Rat 4700 mg/kg LD50 Mouse 9980 ppm LD50 Mouse 9980 ppm, 71 Hours LD50 Mouse 4700 mg/kg LD50 Mouse 990 mg/kg Card Rat 2900 mg/kg LD50 Not available 990 mg/kg Carbon Gixide (CAS 124-38-9) Not available LD50 Not available 103 mg/L, 4 Hours LD50 Not available 103 mg/L, 4 Hours LD50 Rat 103 mg/L, 2 Hours				
Benzene (CAS 71-43-2) Acute Dermal LD50 Guinea pig > 9400 mg/kg Bc33 mg/kg Bc33 mg/kg Bc33 mg/kg Bc33 mg/kg Bc30 mg/kg Bc30 mg/kg Bc370 mg/l4h Bc370 mg/l4h Bc				
Acute Dermal LD50 Guinea pig > 9400 mg/kg LD50 Rabbit 263 mg/kg Kabbit 260 mg/kg LD50 Mouse 980 ppm LC50 Mouse 980 ppm LC50 Rat 4700 mg/n3, 4 Hours Mouse 4700 mg/n3, 4 Hours 1000 ppm, 7 Hours Draf Rat 4700 mg/kg LD50 Mouse 4700 mg/kg Draf Rat 990 mg/kg LD50 Mouse 4700 mg/kg Craf Not available 990 mg/kg LD50 Not available 1000 ppm, 7 Hours Craf Not available 990 mg/kg LD50 Not available 100 mg/kg LD50 Rat 103 mg		Rat	5800 mg/kg	
Demal >9400 mg/kg LD50 Rabit 263 mg/kg Babit 260 mg/kg LC50 Mouse 980 ppm LC50 Mouse 9900 pg/mg/mg/mg/mg/mg/mg/mg/mg/mg/mg/mg/mg/mg				
LD50Guine pig> 9400 mg/kgRabit8263 mg/kg8260 mg/kgInhalation9800 pmLC50Mouse9800 pmRat4700 mg/m3, 4 HoursJ000 ppm, 7 Hours10000 ppm, 7 HoursLD50Mouse990 mg/kgRat2900 mg/kgLD50Mouse990 mg/kgLD50Not available990 mg/kgLC50Not availableSateLD50Not availableSateLD50Not availableSateLD50Not availableSateLD50RatSateLD50Not availableSateHatationNot availableSateLD50RatSateLD50RatSateLD50RatSateLD50RatSateLD50RatSateLD50RatSateLD50MouseSateLD50MouseSateLD50MouseSateLD50MouseSateLD50MouseSateLD50MouseSateLD50MouseSateLD50MouseSateLD50MouseSateLD50MouseSateLD50MouseSateLD50MouseSateLD50MouseSateLD50MouseSateLD50MouseSateLD50MouseSateLD50MouseSate<				
Rabbit Rabbit 8263 mg/kg 260 mg/kg 1/halation LC50 Mouse 9980 ppm At 4700 mg/m3, 4 Hours 13700 mg/l/4h 13700 mg/l/4h 10000 ppm, 7 Hours 13700 mg/kg 4700 mg/kg 2990 mg/kg 690 mg/kg 690 mg/kg 690 mg/kg 690 mg/kg 1050 Not available 1050 Not available 1050 Not available 1050 Not available 1050 Rat 103 mg/L, 4 Hours 103 mg/L, 4 Hours 103 mg/L, 4 Hours 1050 Mouse 75 mg/L, 2 Hours		Guinea pig	> 9400 ma/ka	
hhalation LC50 Mouse 9980 pm 44700 ng/n3, 4 Hours 13700 ng/l,4h 13700 ng/l,4h 1000 ppn, 7 Hours 1000 p				
Inhalation LC50 Mouse 9980 pm Rat 44700 mg/m3, 4 Hours 13700 mg/l,4h 10000 ppm, 7 Hours 000 ppm, 7 Hours 1000 ppm, 7 Hours 1000 ppm, 7 Hours 1000 ppm, 7 Hours 1000 ppm, 7 Hours 4700 mg/kg 690 mg/kg 690 mg/kg 690 mg/kg 690 mg/kg 1050 Not available Not available Not available Heptam (CAS 142-82-5) Acute Inhalation LC50 Not available Heptam (CAS 142-82-5) Acute Inhalation LC50 Rat LC50 Rat 103 mg/L, 4 Hours 103 mg/L, 4 Hours		Rabbit		
LS50Mouse9980 ppmRat4700 mg/m3, 4 Hours13700 mg//4h13700 mg//4h13000 ppm, 7 HoursOra/Kat2990 mg/kgLD50Mouse4700 mg/kgRat2990 mg/kg690 mg/kgCarbon Livide (CAS 124-38-9)Na vailableLC50Not availableSate of the second sec	Inholotion		8200 mg/kg	
Rat 44700 mg/m3, 4 Hours 13700 mg//4h 13000 mg//4h 10000 ppm, 7 Hours 10000 ppm, 7 Hours D50 Mouse 4700 mg/kg Rat 2990 mg/kg 0 mg/kg 690 mg/kg Carbon Uick CAS 124-38-9) - Acute Not available - Inhalation - - LC50 Not available - Heptame CAS 142-82-5) - - Acute - - Inhalation - - LC50 Not available - Heptame CAS 142-82-5) - - Acute - - Inhalation - - LC50 Rat 103 mg/L, 4 Hours LC50 Mouse 103 mg/L, 2 Hours Inhalation - - LC50 Mouse 103 mg/L, 2 Hours Inform - - Inform - - Inform - - Inform - - Inform <td></td> <td>Mouse</td> <td>9980 maa</td>		Mouse	9980 maa	
Oral 13700 mg/l/4h LD50 Mouse 4700 mg/kg Rat 2990 mg/kg 690 mg/kg 690 mg/kg Carbon Goxide (CAS 124-38-9) 4700 mg/kg Katue 1900 mg/kg Inhalation 1000 pm / Thours LC50 Not available 500 mg/kg Oral 1050 Not available Heptane (CAS 142-82-5) Not available Acute 103 mg/L, 4 Hours Inhalation 103 mg/L, 2 Hours LC50 Mouse 75 mg/L, 2 Hours				
Oral 1000 pm, 7 Hours LD50 Mouse 4700 mg/kg Rat 2990 mg/kg 600 mg/kg 600 mg/kg Carbon-loxide (CAS 124-38-9)				
Oral Mouse 4700 mg/kg LD50 Mouse 2990 mg/kg Rat 690 mg/kg Carbon dioxide (CAS 124-38-9)				
LD50Mouse4700 mg/kgRat2900 mg/kg600 mg/kg600 mg/kgCarbon Lock 124-38-90	0		Toooo ppm, 7 Hours	
Rat 2990 mg/kg 690 mg/kg Carbon dioxide (CAS 124-38-9) Acute Inhalation LC50 Not available Oral LD50 Not available Heptane (CAS 142-82-5) Acute Inhalation LD50 Rat Inhalation LD50 Not available Heptane (CAS 142-82-5) Acute Inhalation LD50 Rat Inbalation LD50 Rat Inhalation Inhalation Inhalation Inhalation Inhalation Inhalation Inhalation Inhalation Inhalation Inbalation Inbalation </td <td></td> <td>Mouse</td> <td>4700 ma/ka</td>		Mouse	4700 ma/ka	
Carbon dioxide (CAS 124-38-9) 690 mg/kg Acute inhalation Inhalation Vot available Oral Not available LD50 Not available Heptane (CAS 142-82-5) Not available Acute Inhalation Inhalation Vot available LD50 Not available LD50 Not available Jona Vot available LD50 Not available Jona Vot available Jona Jona Jona Jona Jona Jona Jona Jona Jona Jona				
Carbon Joxide (CAS 124-38-9) Acute Inhalation LC50 Not available Oral LD50 Not available Heptare (CAS 142-82-5) Acute Inhalation LC50 Rat Not available Inhalation LC50 Rat Not available Inhalation Cofal LD50 Not available Inthalation Cofal LD50 Not available Note Cofal LD50 Note Cofal		nat		
Acute Inhalation LC50 Not available Oral LD50 Not available Heptene CAS 142-82-5) Acute Inhalation LC50 Rat Inhalation Inhalation IC50 Rat IC50 Rat IC50 Noise IC50 Mouse IC50	Carbon diavida (CAC 101 20 0)		690 mg/kg	
Inhalation LC50 Not available Oral D50 Not available Heptaw CAS 142-82-5) Not available Acute Inhalation Infalation LC50 Rat 103 mg/L, 4 Hours LD50 Mouse 75 mg/L, 2 Hours				
LC50Not availableOral LD50Not availableHeptame (CAS 142-82-5)Not availableAcuteInhalationLC50RatLD50RoteD50MouseOral				
LD50Not availableHeptaneCAS 142-82-5)AcuteInhalationInhalation103 mg/L, 4 HoursLD50RatMouse75 mg/L, 2 Hours		Not available		
Heptane (CAS 142-82-5) Acute Inhalation LD50 Rat Nouse Nouse State	Oral			
AcuteInhalationLC50RatLD50MouseOral	LD50	Not available		
InhalationLC50Rat103 mg/L, 4 HoursLD50Mouse75 mg/L, 2 HoursOralContemporalContemporal	Heptane (CAS 142-82-5)			
LC50Rat103 mg/L, 4 HoursLD50Mouse75 mg/L, 2 HoursOralValueValue				
LD50 Mouse 75 mg/L, 2 Hours Oral		D-4		
Oral			-	
		Mouse	75 mg/L, 2 Hours	
LD30 Rai 15000 mg/kg		Pot	15000 mg///g	
		ral		

Components	Species	Test Results
Methanol (CAS 67-56-1)		
Acute Dermal		
LD50	Rabbit	15800 - 20000 mg/kg, HSDB
	Rat	> 450000 mg/kg, HSDB
Inhalation		
LC50	Cat	85.4 mg/l/4h, HSDB
		43.7 mg/L, 6 Hours
	Rat	64000 ppm, 4 Hours, HSDB
		87.5 mg/L, 6 Hours
		83.2 - 128.8 mg/l/4h
Oral		
LD50	Dog	8000 mg/kg, HSDB
	Human	143 - 300 mg/kg
	Monkey	3000 mg/kg
	,	2000 mg/kg, HSDB
	Mouse	7300 mg/kg, HSDB
	Rabbit	14200 - 14400 mg/kg
		790 - 13000 mg/kg, HSDB
Naphtha (petroleum), hydrot Acute	reated light (CAS 64742-49-0)	
Dermal		
LD50	Rabbit	3160 mg/kg
Inhalation		
LC50	Rat	61 mg/L, 4 Hours
		20 ppm
		20 mg/l/4h
Oral		
LD50	Rat	> 25 ml/kg
		5000 mg/kg
Toluene (CAS 108-88-3)		
Acute		
Dermal LD50	Rabbit	12196 mg/kg
LDS0	Kabbit	
		12125 mg/kg
		8390 mg/kg
		14.1 ml/kg
Inhalation LC50	Mouse	7100 mg/L, 4 Hours
2000	Wouse	5320 ppm, 8 Hours
		400 ppm, 24 Hours
	Rat	26700 ppm, 1 Hours
		<= 28800 mg/m³, 4 Hours
		12200 ppm, 2 Hours
		8000 ppm, 4 Hours
		12.5 mg/l/4h
Oral	2	"
LD50	Rat	> 5580 mg/kg
		636 mg/kg

Components	Species	Test Results
Xylene (CAS 1330-20-7)		
Acute		
Dermal LD50	Rabbit	> - 1700 ma/ka
	Rappil	>= 1700 mg/kg
Inhalation LC50	Mouse	3907 ppm, 6 Hours
	Rat	6350 ppm, 4 Hours
		29.1 mg/L, 4 Hours
		27.6 mg/L, 4 Hours
		21.7 mg/L, 4 Hours
Oral		g, _,ca.c
LD50	Mouse	5251 mL/kg
		1590 mg/kg
	Rat	3523 - 8600 mg/kg
Skin corrosion/irritation	Prolonged skin contact may c	ause temporary 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 sensitizatior	1	
Respiratory sensitization	Not a respiratory sensitizer.	
Skin sensitization	This product is not expected	o cause skin sensitization.
Mutagenicity	May cause genetic defects.	
Carcinogenicity	May cause cancer. See below	V.
ACGIH Carcinogens Benzene (CAS 71-43-2)		A1 Confirmed human carcinogen.
Canada - Alberta OELs: Car Benzene (CAS 71-43-2)	cinogen category	Confirmed human correlation
Canada - Manitoba OELs: ca	arcinogenicity	Confirmed human carcinogen.
ACETONE (CAS 67-64-1)	Not classifiable as a human carcinogen.
BENZENE (CAS 71-43-2		Confirmed human carcinogen.
TOLUENE (CAS 108-88- XYLENE (O. M AND P IS	3) OMERS) (CAS 1330-20-7)	Not classifiable as a human carcinogen. Not classifiable as a human carcinogen.
Canada - Quebec OELs: Car		J. J
Benzene (CAS 71-43-2) IARC Monographs. Overall I	Evaluation of Carcinogenicity	Detected carcinogenic effect in humans.
Benzene (CAS 71-43-2)		Volume 29, Supplement 7, Volume 100F 1 Carcinogenic to
Toluene (CAS 108-88-3)		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.
	65 - CRT: Listed date/Carcino	genic substance
Benzene (CAS 71-43-2) US NTP Report on Carcinog	ens: Known carcinogen	
	ilated Substances (29 CFR 19	-
Benzene (CAS 71-43-2)	0	Cancer
Reproductive toxicity	Suspected of damaging fertili	ty or the unborn child.

Teratogenicity	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.
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.

12. Ecological Information

Ecotoxicity	See belov	W	
Ecotoxicological data			
Components		Species	Test Results
Acetone (CAS 67-64-1)	5050		40000 // 4011
Crustacea	EC50	Daphnia	13999 mg/L, 48 Hours
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	10294 - 17704 mg/L, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	4740 - 6330 mg/L, 96 hours
Benzene (CAS 71-43-2)			
Algae	IC50	Algae	29 mg/L, 72 Hours
Crustacea	EC50	Daphnia	12.18 mg/L, 48 Hours
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	8.76 - 15.6 mg/L, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	7.2 - 11.7 mg/L, 96 hours
Heptane (CAS 142-82-5)			
Aquatic			
Fish	LC50	Mozambique tilapia (Tilapia mossambica)	375 mg/L, 96 hours
Vethanol (CAS 67-56-1)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	> 10000 mg/L, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas)	> 100 mg/L, 96 hours
Naphtha (petroleum), hydrotre	eated light (CAS	64742-49-0)	
Aquatic			
Crustacea	EC50	Water flea (Daphnia pulex)	2.7 - 5.1 mg/L, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	8.8 mg/L, 96 hours
			8.8 mg/L, 96 hours
Foluene (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 (Daphnia magna)	5.46 - 9.83 mg/L, 48 hours
Fish	LC50	Coho salmon,silver salmon	8.11 mg/L, 96 hours
		(Oncorhynchus kisutch)	
Xylene (CAS 1330-20-7)			
Aquatic			
Fish	LC50	Bluegill (Lepomis macrochirus)	7.711 - 9.591 mg/L, 96 hours
Persistence and degradabili	ity No data i	s available on the degradability of this product.	
Bioaccumulative potential	-		

Page: 12 of 17

Not available. 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 Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents		
potential, endocrine disruption, global warming potential) are expected from this component. 13. Disposal Considerations		
· · · · · · · · · · · · · · · · · · ·		
Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents		
under pressure. Do not puncture, incinerate or crush. Dispose of contents/container in accordanc with local/regional/national/international regulations.		
Dispose in accordance with all applicable regulations.		
The waste code should be assigned in discussion between the user, the producer and the waste disposal company.		
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).		
Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.		
14. Transport Information		
In accordance with Part 2.2.1 (SOR/2014-152) of the Transportation of Dangerous Goods Regulations, we certify that the classification of this product is correct as of the SDS date of issue		
n (DOT)		
· · · · · · · · · · · · · · · · · · ·		
UN1950		
Aerosols, flammable, (each not exceeding 1 L capacity)		
Limited Quantity - US		
N82		
306		
None		
None		
ods (TDG - Canada)		
:		
UN1950		
AEROSOLS, flammable		
Limited Quantity - Canada 80, 107		
80, 107		
:		
UN1950		
Aerosols, flammable		
2.1		
10L		
:		
UN1950		
AEROSOLS		
2		



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.

	contains an the information req		
Canada CEPA Schedule I: Li	sted substance		
Benzene (CAS 71-43-2)		Listed.	
Carbon dioxide (CAS 124-	-38-9)	Listed.	
Canada NPRI VOCs with Add	litional Reporting Requiremen	ts: Mass reporting threshold/Identification Number	
Benzene (CAS 71-43-2)		1 TONNES	
Heptane (CAS 142-82-5)		1 TONNES	
Methanol (CAS 67-56-1)		1 TONNES	
Naphtha (petroleum), hydi 64742-49-0)	rotreated light (CAS	1 TONNES	
Toluene (CAS 108-88-3)		1 TONNES	
Xylene (CAS 1330-20-7)		1 TONNES	
Export Control List (CEPA 19	999, Schedule 3)		
Not listed.			
Greenhouse Gases			
Carbon dioxide (CAS 124-	-38-9)		
Precursor Control Regulation	ns		
Acetone (CAS 67-64-1)		Class B	
Toluene (CAS 108-88-3)		Class B	
WHMIS 2015 Exemptions	Not applicable		
US federal regulations	This product is a "Hazardous C Standard, 29 CFR 1910.1200.	Chemical" as defined by the OSHA Hazard Communication	
TSCA Section 12(b) Export N	lotification (40 CFR 707, Subp	t. D)	
Not regulated.			
CERCLA Hazardous Substar	nce List (40 CFR 302.4)		
Acetone (CAS 67-64-1)		Listed.	
Benzene (CAS 71-43-2)		Listed.	
Heptane (CAS 142-82-5)		Listed.	
Methanol (CAS 67-56-1)		Listed.	
Toluene (CAS 108-88-3) Xylene (CAS 1330-20-7)		Listed. Listed.	
	lated Substances (29 CFR 191		
	lated Substances (25 CFR 151		
Benzene (CAS 71-43-2)		Cancer Central nervous system	
		Blood	
		Aspiration	
		Skin	
		Eye	
		respiratory tract irritation	
		Flammability	
Superfund Amendments and Rea	authorization Act of 1986 (SAR	:A)	
Hazard categories	Immediate Hazard - Yes		
-	Delayed Hazard - Yes		
	Fire Hazard - Yes		
	Pressure Hazard - Yes		
	Reactivity Hazard - No		
SARA 302 Extremely	No		
hazardous substance			
SARA 311/312 Hazardous	No		
chemical			

Chemical name		CAS number	% by wt.
Toluene		108-88-3	1.1-2
federal regulations			
ean Air Act (CAA) Section	n 112 Hazardous Air Pollutan	ts (HAPs) List	
Benzene (CAS 71-43-2)			
Methanol (CAS 67-56-1)			
Toluene (CAS 108-88-3)			
Xylene (CAS 1330-20-7)			~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
	n 112(r) Accidental Release F	revention (40 CFR	68.130)
Not regulated.			
te regulations	See below		
US - California Hazardo	ous Substances (Director's):	Listed substance	
Acetone (CAS 67-64	,	Listed.	
Benzene (CAS 71-4		Listed.	
Carbon dioxide (CA		Listed.	
Heptane (CAS 142-	,	Listed. Listed.	
Methanol (CAS 67-5 Naphtha (petroleum), hydrotreated light (CAS	Listed.	
64742-49-0)), hydrotreated light (O/IO	Listed.	
Toluene (CAS 108-8	38-3)	Listed.	
Xylene (CAS 1330-2	,	Listed.	
	Safety Act: Listed substance		
Acetone (CAS 67-64			
Benzene (CAS 71-4	,		
Heptane (CAS 142- Methanol (CAS 67-5	,		
Toluene (CAS 108-8	,		
Xylene (CAS 1330-2	,		
, , , , , , , , , , , , , , , , , , ,	porting: Listed substance		
Acetone (CAS 67-64		Listed.	
Benzene (CAS 71-4		Listed.	
Heptane (CAS 142-		Listed.	
Methanol (CAS 67-5		Listed.	
Toluene (CAS 108-8		Listed.	
Xylene (CAS 1330-2	,	Listed.	
-	Materials Register: Parameter		
Benzene (CAS 71-4	,	BENZENE	
Toluene (CAS 108-8 Xylene (CAS 1330-2	,	TOLUENE XYLENE (ALL IS	
US - Minnesota Haz Su	,		SOMERS)
Acetone (CAS 67-64		Listed.	
Benzene (CAS 71-4	,	Listed.	
Carbon dioxide (CA		Listed.	
Heptane (CAS 142-		Listed.	
Methanol (CAS 67-5		Listed.	
), hydrotreated light (CAS	Listed.	
64742-49-0)	28.2	Listad	
Toluene (CAS 108-8 Xylene (CAS 1330-2		Listed. Listed.	
	Substances: Listed substan		
Acetone (CAS 67-64			
Benzene (CAS 71-4			
Carbon dioxide (CA			
Heptane (CAS 142-			
Methanol (CAS 67-5			
), hydrotreated light (CAS 6474	12-49-0)	
Toluene (CAS 108-8			
Xylene (CAS 1330-2		otonoo	
	kic Air Pollutants: Listed sub	stance	
Benzene (CAS 71-4 Toluene (CAS 108-8			
	0-01		
Xylene (CAS 1330-2		pecial hazard	

US - Texas Effects Screening Levels Hazard Data: Simple asphyxiant Carbon dioxide (CAS 124-38-9) US - Texas Effects Screening Levels: Listed substance Acetone (CAS 67-64-1) Listed. Benzene (CAS 71-43-2) Listed. Carbon dioxide (CAS 124-38-9) Listed. Heptane (CAS 142-82-5) Listed. Methanol (CAS 67-56-1) Listed. Naphtha (petroleum), hydrotreated light (CAS Listed. 64742-49-0) Toluene (CAS 108-88-3) Listed. Xylene (CAS 1330-20-7) Listed US - Washington Chemical of High Concern to Children: Listed substance Benzene (CAS 71-43-2) Toluene (CAS 108-88-3) US. Massachusetts RTK - Substance List Acetone (CAS 67-64-1) Benzene (CAS 71-43-2) Carbon dioxide (CAS 124-38-9) Heptane (CAS 142-82-5) Methanol (CAS 67-56-1) Naphtha (petroleum), hydrotreated light (CAS 64742-49-0) Toluene (CAS 108-88-3) Xylene (CAS 1330-20-7) US. New Jersey Worker and Community Right-to-Know Act Benzene (CAS 71-43-2) Methanol (CAS 67-56-1) Toluene (CAS 108-88-3) Xylene (CAS 1330-20-7) US. Pennsylvania Worker and Community Right-to-Know Law Acetone (CAS 67-64-1) Benzene (CAS 71-43-2) Carbon dioxide (CAS 124-38-9) Heptane (CAS 142-82-5) Methanol (CAS 67-56-1) Naphtha (petroleum), hydrotreated light (CAS 64742-49-0) Toluene (CAS 108-88-3) Xylene (CAS 1330-20-7) US. Rhode Island RTK Acetone (CAS 67-64-1) Benzene (CAS 71-43-2) Methanol (CAS 67-56-1) Toluene (CAS 108-88-3) Xylene (CAS 1330-20-7) **US.** California Proposition 65 US - California Proposition 65 - CRT: Listed date/Carcinogenic substance Benzene (CAS 71-43-2) Listed: February 27, 1987 US - California Proposition 65 - CRT: Listed date/Developmental toxin Benzene (CAS 71-43-2) Listed: December 26, 1997 Methanol (CAS 67-56-1) Listed: March 16, 2012 Toluene (CAS 108-88-3) Listed: January 1, 1991 US - California Proposition 65 - CRT: Listed date/Male reproductive toxin Benzene (CAS 71-43-2) Listed: December 26, 1997 Inventory status On inventory (yes/no)* Country(s) or region Inventory name 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

HEALTH * 2	
FLAMMABILITY 4	
PHYSICAL HAZARD 0	
PERSONAL X	

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