SAFETY DATA SHEET

1. Identification

Product identifier	**Gumout Carb and Choke Cleaner Aerosol**
Other means of identification	29210
Recommended use	Carburetor & Choke Cleaner
Recommended restrictions	None known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name	ITW Permatex Canada
Address	c/o ITW Global Brands Canada 2360 Bristol Circle, Suite 101 Oakville, ON L6H 6M5
Telephone	(905) 693-8900
E-mail	CanadaCS@itwgb.com
Emergency phone number	800-255-3924 (Chem-Tel)
Supplier	See above.

2. Hazard identification

Physical hazards	Flammable aerosols	Category 2
Health hazards	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2
	Reproductive toxicity	Category 2
	Specific target organ toxicity following single exposure	Category 3 respiratory tract irritation
	Specific target organ toxicity following single exposure	Category 3 narcotic effects
	Specific target organ toxicity following repeated exposure	Category 2
	Aspiration hazard	Category 1
Environmental hazards	Not classified.	

Label elements

Signal word	Danger
Hazard statement	Flammable aerosol. Causes skin irritation. Causes serious eye irritation. Suspected of damaging fertility or the unborn child. May cause respiratory irritation. May cause drowsiness or dizziness. May cause damage to organs through prolonged or repeated exposure. May be fatal if swallowed and enters airways.

Precautionary statement

Prevention	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Wash thoroughly after handling. Wear protective gloves, protective clothing, eye protection and face protection. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe mist or vapour. Use only outdoors or in a well-ventilated area.
Response	IF ON SKIN: Wash with plenty of water. Specific treatment (see information on this label). If skin irritation 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. IF INHALED: remove person to fresh air and keep comfortable for breathing. Call a POISON CENTRE if you feel unwell. IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting.
Storage	Store in a well-ventilated place. Keep container tightly closed. Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Disposal	Dispose of container in accordance with local, regional, national and international regulations.
Other hazards	None known.
Supplemental information	None.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Acetone		67-64-1	15-40
Benzene, 1,3-dimethyl-		108-38-3	15-40
Ethylbenzene		100-41-4	10-30
2-Pentanone, 4-hydroxy-4-methyl-		123-42-2	1-5
Benzene, 1,2-dimethyl-		95-47-6	1-5
Benzene, 1,4-dimethyl-		106-42-3	1-5
Toluene		108-88-3	0.1-1

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.

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 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 CENTRE or doctor. Do NOT induce vomiting.
Most important symptoms/effects, acute and delayed	Skin irritation. May cause redness and pain. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Aspiration may cause pulmonary oedema and pneumonitis. May cause drowsiness and dizziness. Headache. Nausea, vomiting. May cause respiratory irritation. 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. 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. 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	Contents under pressure. During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.
Fire fighting equipment/instructions	Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapour pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	Flammable aerosol.
Flammable properties	Vapours may travel considerable distance to a source of ignition and flash back.

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 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	Stop leak if you can do so without risk. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Following product recovery, flush area with water. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground. Do not discharge into lakes, streams, ponds or public waters.

7. Handling and storage

Precautions for safe handling	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Pressurised 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 Avoid contact with eyes, skin, and clothing. Pregnant or breastfeeding women must not handle this product. Avoid prolonged exposure. Should be handled in closed systems, if possible. 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. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. 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

US. ACGIH Threshold Limit Values

Components	Type	Value
2-Pentanone, 4-hydroxy-4-methyl- (CAS 123-42-2)	TWA	50 ppm
Acetone (CAS 67-64-1)	STEL	500 ppm
	TWA	250 ppm
Benzene, 1,2-dimethyl- (CAS 95-47-6)	TWA	20 ppm
Benzene, 1,3-dimethyl- (CAS 108-38-3)	TWA	20 ppm
Benzene, 1,4-dimethyl- (CAS 106-42-3)	TWA	20 ppm
Ethylbenzene (CAS 100-41-4)	TWA	20 ppm
Toluene (CAS 108-88-3)	TWA	20 ppm

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

Components	Type	Value
2-Pentanone, 4-hydroxy-4-methyl- (CAS 123-42-2)	TWA	238 mg/m3
		50 ppm
Acetone (CAS 67-64-1)	STEL	1800 mg/m3
		750 ppm
	TWA	1200 mg/m3
		500 ppm
Benzene, 1,2-dimethyl- (CAS 95-47-6)	STEL	651 mg/m3
		150 ppm
	TWA	434 mg/m3
		100 ppm
Benzene, 1,3-dimethyl- (CAS 108-38-3)	STEL	651 mg/m3
		150 ppm
	TWA	434 mg/m3
		100 ppm

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

Components	Type	Value
Benzene, 1,4-dimethyl- (CAS 106-42-3)	STEL	651 mg/m3
		150 ppm
	TWA	434 mg/m3
		100 ppm
Ethylbenzene (CAS 100-41-4)	STEL	543 mg/m3
		125 ppm
	TWA	434 mg/m3
		100 ppm
Toluene (CAS 108-88-3)	TWA	188 mg/m3
		50 ppm

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

Components	Type	Value
2-Pentanone, 4-hydroxy-4-methyl- (CAS 123-42-2)	TWA	50 ppm
Acetone (CAS 67-64-1)	STEL	500 ppm
	TWA	250 ppm
Benzene, 1,2-dimethyl- (CAS 95-47-6)	STEL	150 ppm
	TWA	100 ppm
Benzene, 1,3-dimethyl- (CAS 108-38-3)	STEL	150 ppm
	TWA	100 ppm
Benzene, 1,4-dimethyl- (CAS 106-42-3)	STEL	150 ppm
	TWA	100 ppm
Ethylbenzene (CAS 100-41-4)	TWA	20 ppm
Toluene (CAS 108-88-3)	TWA	20 ppm

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

Components	Type	Value
2-Pentanone, 4-hydroxy-4-methyl- (CAS 123-42-2)	TWA	50 ppm
Acetone (CAS 67-64-1)	STEL	500 ppm
	TWA	250 ppm
Benzene, 1,2-dimethyl- (CAS 95-47-6)	TWA	20 ppm
Benzene, 1,3-dimethyl- (CAS 108-38-3)	TWA	20 ppm
Benzene, 1,4-dimethyl- (CAS 106-42-3)	TWA	20 ppm
Ethylbenzene (CAS 100-41-4)	TWA	20 ppm
Toluene (CAS 108-88-3)	TWA	20 ppm

Canada. New Brunswick Regulation 91-191, as amended

Components	Type	Value
2-Pentanone, 4-hydroxy-4-methyl- (CAS 123-42-2)	TWA	238 mg/m3
		50 ppm
Acetone (CAS 67-64-1)	STEL	1728 mg/m3
		750 ppm
	TWA	1188 mg/m3

Canada. New Brunswick Regulation 91-191, as amended

Components	Type	Value
		500 ppm
Benzene, 1,2-dimethyl- (CAS 95-47-6)	STEL	651 mg/m3
		150 ppm
	TWA	434 mg/m3
		100 ppm
Benzene, 1,3-dimethyl- (CAS 108-38-3)	STEL	651 mg/m3
		150 ppm
	TWA	434 mg/m3
		100 ppm
Benzene, 1,4-dimethyl- (CAS 106-42-3)	STEL	651 mg/m3
		150 ppm
	TWA	434 mg/m3
		100 ppm
Ethylbenzene (CAS 100-41-4)	STEL	543 mg/m3
		125 ppm
	TWA	434 mg/m3
		100 ppm
Toluene (CAS 108-88-3)	TWA	188 mg/m3
		50 ppm

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

Components	Type	Value
2-Pentanone, 4-hydroxy-4-methyl- (CAS 123-42-2)	TWA	50 ppm
Acetone (CAS 67-64-1)	STEL	500 ppm
	TWA	250 ppm
Benzene, 1,2-dimethyl- (CAS 95-47-6)	STEL	150 ppm
	TWA	100 ppm
Benzene, 1,3-dimethyl- (CAS 108-38-3)	STEL	150 ppm
	TWA	100 ppm
Benzene, 1,4-dimethyl- (CAS 106-42-3)	STEL	150 ppm
	TWA	100 ppm
Ethylbenzene (CAS 100-41-4)	TWA	20 ppm
Toluene (CAS 108-88-3)	TWA	20 ppm

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

Components	Type	Value
2-Pentanone, 4-hydroxy-4-methyl- (CAS 123-42-2)	TWA	238 mg/m3
		50 ppm
Acetone (CAS 67-64-1)	STEL	2380 mg/m3
		1000 ppm
	TWA	1190 mg/m3
		500 ppm
Benzene, 1,2-dimethyl- (CAS 95-47-6)	STEL	651 mg/m3
		150 ppm
	TWA	434 mg/m3
		100 ppm

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

Components	Type	Value
Benzene, 1,3-dimethyl- (CAS 108-38-3)	STEL	651 mg/m3
		150 ppm
	TWA	434 mg/m3
		100 ppm
Benzene, 1,4-dimethyl- (CAS 106-42-3)	STEL	651 mg/m3
		150 ppm
	TWA	434 mg/m3
		100 ppm
Ethylbenzene (CAS 100-41-4)	TWA	20 ppm
Toluene (CAS 108-88-3)	TWA	188 mg/m3
		50 ppm

Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 2020. S-15.1 Reg. 10. Table 18)

Components	Type	Value
2-Pentanone, 4-hydroxy-4-methyl- (CAS 123-42-2)	15 minute	60 ppm
	8 hour	50 ppm
Acetone (CAS 67-64-1)	15 minute	750 ppm
	8 hour	500 ppm
Benzene, 1,2-dimethyl- (CAS 95-47-6)	15 minute	150 ppm
	8 hour	100 ppm
Benzene, 1,3-dimethyl- (CAS 108-38-3)	15 minute	150 ppm
	8 hour	100 ppm
Benzene, 1,4-dimethyl- (CAS 106-42-3)	15 minute	150 ppm
	8 hour	100 ppm
Ethylbenzene (CAS 100-41-4)	15 minute	125 ppm
	8 hour	100 ppm
Toluene (CAS 108-88-3)	15 minute	60 ppm
	8 hour	50 ppm

Biological limit values

ACGIH Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling Time
Acetone (CAS 67-64-1)	25 mg/L	Acetone	Urine	*
Benzene, 1,2-dimethyl- (CAS 95-47-6)	1.5 g/g	Methylhippuric acids	Creatinine in urine	*
Benzene, 1,3-dimethyl- (CAS 108-38-3)	1.5 g/g	Methylhippuric acids	Creatinine in urine	*
Benzene, 1,4-dimethyl- (CAS 106-42-3)	1.5 g/g	Methylhippuric acids	Creatinine in urine	*
Ethylbenzene (CAS 100-41-4)	0.15 g/g	Sum of mandelic acid and phenylglyoxylic acid	Creatinine in 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	*

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

Exposure guidelines

Canada - Alberta OELs: Skin designation

Toluene (CAS 108-88-3)	Can be absorbed through the skin.

Canada - Quebec OELs: Skin designation

Toluene (CAS 108-88-3)	Can be absorbed through the skin.

Canada - Saskatchewan OELs: Skin designation

Toluene (CAS 108-88-3)	Can be absorbed through the skin.

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

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection Impervious gloves. Confirm with reputable supplier first.

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

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

Thermal hazards Not applicable.

General hygiene considerations Wash hands before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practices. When using do not smoke. When using do not eat or drink.

9. Physical and chemical properties

Appearance	Aerosol
Physical state	Liquid.
Form	Aerosol
Colour	Colourless
Odour	Alcohol
Odour threshold	Not available.
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	56 °C (132.8 °F)
Flash point	-20.0 °C (-4.0 °F) TCC
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	2.6
Flammability limit - upper (%)	12.8
Explosive limit - lower (%)	Not available.
Explosive limit – upper (%)	Not available.
Vapour pressure	185
Vapour density	Not available.
Relative density	0.789
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	465 °C (869 °F)
Decomposition temperature	Not available.
Viscosity	Not available.

Other information

Density	0.797 g/cm3
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Do not mix with other chemicals.
Incompatible materials	Strong acids. Strong oxidising agents.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon.

11. Toxicological information

Information on likely routes of exposure

Inhalation	May cause drowsiness and dizziness. May cause irritation to the respiratory system. Prolonged inhalation may be harmful.
Skin contact	Causes skin irritation.
Eye contact	Causes serious eye irritation.
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.
Symptoms related to the physical, chemical and toxicological characteristics	Aspiration may cause pulmonary oedema and pneumonitis. May cause drowsiness and dizziness. Headache. Nausea, vomiting. Abdominal pain. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause respiratory irritation. Skin irritation. May cause redness and pain.

Information on toxicological effects

Acute toxicity May be fatal if swallowed and enters airways. See below.

Components	Species	Test Results
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	4000 mg/kg, ECHA
Acetone (CAS 67-64-1)		
Acute		
Dermal		
LD50	Rabbit	> 15800 mg/kg, Health Canada (HSA)
Inhalation		
LC50	Rat	76 mg/l/4h, Health Canada (HSA)
Oral		
LD50	Rat	5800 mg/kg, Health Canada (HSA)
Benzene, 1,2-dimethyl- (CAS 95-47-6)		
Acute		
Dermal		
LD50	Rabbit	> 5000 ml/kg, 4 Hours, ECHA
Inhalation		
LC50	Rat	6350 ppm, 4 Hours, ECHA/HSDB
Oral		
LD50	Rat	3523 mg/kg, ECHA

Components	Species	Test Results
Benzene, 1,3-dimethyl- (CAS 108-38-3)		
Acute		
Dermal		
LD50	Rabbit	12126 mg/kg, 24 Hours, ECHA
Inhalation		
LC50	Rat	6700 ppm, 4 Hours, ECHA
Oral		
LD50	Rat	6631 mg/kg, ECHA
Benzene, 1,4-dimethyl- (CAS 106-42-3)		
Acute		
Dermal		
LD50	Rabbit	> 5000 ml/kg, 4 Hours, ECHA
Inhalation		
LC50	Rat	5922 ppm, 4 Hours, ECHA 4550 mg/l/4h, HSDB
Oral		
LD50	Rat	> 4000 mg/kg, ECHA
Ethylbenzene (CAS 100-41-4)		
Acute		
Dermal		
LD50	Rabbit	17.8 ml/kg, 24 Hours, ECHA
Inhalation		
LC50	Rat	17629 mg/m3, 4 Hours, ECHA
Oral		
LD50	Rat	3500 mg/kg, ECHA
Toluene (CAS 108-88-3)		
Acute		
Dermal		
LD50	Rabbit	> 5000 mg/kg, 24 Hours, ECHA
Inhalation		
LC50	Rat	25.7 mg/L, 4 Hours, ECHA
Oral		
LD50	Rat	5580 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 sensitisation

Canada - Alberta OELs: Irritant

2-Pentanone, 4-hydroxy-4-methyl- (CAS 123-42-2) Irritant

Respiratory sensitisation Not a respiratory sensitizer.

Skin sensitisation This product is not expected to cause skin sensitisation.

Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity Risk of cancer cannot be excluded with prolonged exposure. See below.

ACGIH Carcinogens

Ethylbenzene (CAS 100-41-4)	A3 Confirmed animal carcinogen with unknown relevance to humans.

Canada - Manitoba OELs: carcinogenicity

Ethylbenzene (CAS 100-41-4)	Confirmed animal carcinogen with unknown relevance to humans.

Canada - Quebec OELs: Carcinogen category

Ethylbenzene (CAS 100-41-4)	Detected carcinogenic effect in animals.

IARC Monographs. Overall Evaluation of Carcinogenicity

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

Reproductive toxicity Suspected of damaging fertility or the unborn child.

Specific target organ toxicity - single exposure May cause respiratory irritation. May cause drowsiness and dizziness.

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

Aspiration hazard May be fatal if swallowed and enters airways.

Chronic effects Prolonged exposure may cause chronic effects.

Further information Not available.

12. Ecological information

Ecotoxicity See below

Ecotoxicological data

Components		Species	Test Results
2-Pentanone, 4-hydroxy-4-methyl- (CAS 123-42-2)			
Aquatic			
Fish	LC50	Bluegill (Lepomis macrochirus)	420 mg/L, 96 hours
Acetone (CAS 67-64-1)			
Crustacea	EC50	Daphnia	13999 mg/L, 48 Hours
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	10294 - 17704 mg/L, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	4740 - 6330 mg/L, 96 hours
Benzene, 1,2-dimethyl- (CAS 95-47-6)			
Algae	IC50	Algae	4.2 mg/L, 72 Hours
Crustacea	EC50	Daphnia	3.2 mg/L, 48 Hours
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	0.78 - 2.51 mg/L, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	5.59 - 11.6 mg/L, 96 hours
Benzene, 1,3-dimethyl- (CAS 108-38-3)			
Algae	IC50	Algae	4.9 mg/L, 72 Hours
Crustacea	EC50	Daphnia	3.905 mg/L, 48 Hours
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	2.81 - 5 mg/L, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	8.4 mg/L, 96 hours
Benzene, 1,4-dimethyl- (CAS 106-42-3)			
Algae	IC50	Algae	105.1 mg/L, 72 Hours
Crustacea	EC50	Daphnia	4.93 mg/L, 48 Hours
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	3.55 - 6.31 mg/L, 48 hours

Components		Species	Test Results
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	2.6 mg/L, 96 hours
Ethylbenzene (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 (Daphnia magna)	1.37 - 4.4 mg/L, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas)	7.5 - 11 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 (Daphnia magna)	5.46 - 9.83 mg/L, 48 hours
Fish	LC50	Coho salmon,silver salmon (Oncorhynchus kisutch)	8.11 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. Contents under pressure. Do not puncture, incinerate or crush. Dispose of container in accordance with local, regional, national and international regulations.

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

14. Transport information

General Canada: 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.

Transportation of Dangerous Goods (TDG - Canada)

Basic shipping requirements:

UN number UN1950

Proper shipping name Aerosols, flammable, (each not exceeding 1 L capacity)

Hazard class 2.1

Marine pollutant Yes

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

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

Export Control List (CEPA 1999, Schedule 3)

Not listed.

Greenhouse Gases

Not listed.

Precursor Control Regulations

Acetone (CAS 67-64-1)	Class B
Toluene (CAS 108-88-3)	Class B

WHMIS status Hazardous

International regulations

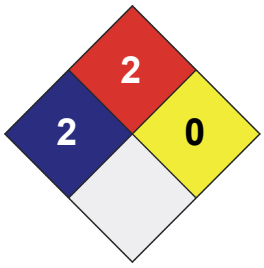
Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No

*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



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

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