



SAFETY DATA SHEET

1. Product and Company Identification

Product identifier	Nu-Blast, Aerosol (4290-75)
Other means of identification	Not available.
Recommended use	Coil Cleaner/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 (CHEMTREC)
Supplier	See above.

2. Hazards Identification

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

Signal word Danger

Hazard statement Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause drowsiness or dizziness. Suspected of causing genetic defects. May cause cancer.

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. Avoid breathing mist or vapor. Contaminated work clothing should not be allowed out of the workplace. Use only outdoors or in a well-ventilated area. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

Response

IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical attention. Take off contaminated clothing and wash it before reuse. Specific treatment (see information on this label). IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell. IF exposed or concerned: Get medical attention.

Storage

Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store in a well-ventilated place. Keep container tightly closed. 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	%
Carbon dioxide		124-38-9	1-5*
Epichlorohydrin		106-89-8	0.1-1*
Oils, orange, sweet		8008-57-9	5-10*
Trichloroethylene		79-01-6	80-100*

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 in accordance with the amended HPR as of April 2018.

4. First Aid Measures

Inhalation	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell.
Skin contact	IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical attention. Take off contaminated clothing and wash it before reuse. Specific treatment (see information on this label).
Eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
Ingestion	Rinse mouth. Do not induce vomiting. Get medical attention if symptoms occur. Never give anything by mouth if victim is unconscious or is convulsing. Obtain medical attention.
Most important symptoms/effects, acute and delayed	Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause an allergic skin reaction. Dermatitis. Rash. Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea. May cause redness and pain.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
General information	Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. Immediate medical attention is required. 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. Wear impervious gloves and chemical splash goggles.

5. Fire Fighting Measures

Suitable extinguishing media	Treat for surrounding material.
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. Firefighters should wear a self-contained breathing apparatus.
Special protective equipment and precautions for firefighters	Firefighters should wear full protective clothing including self-contained breathing apparatus.
Fire-fighting equipment/instructions	In case of fire: Stop leak if safe to do so. Do not move cargo or vehicle if cargo has been exposed to heat. If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also consider initial evacuation for 800 meters (1/2 mile) in all directions. ALWAYS stay away from tanks engulfed in flame. 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	Extremely flammable aerosol.
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 out of low areas. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid inhalation of vapors or mists. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
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Methods and materials for containment and cleaning up

Stop the flow of material, if this is without risk.

Large Spills: Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

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

Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

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. Use only with adequate ventilation. Avoid contact with eyes, skin and clothing. Avoid breathing vapors or mists of this product. Avoid contact during pregnancy/while nursing. Avoid prolonged exposure. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Wear personal protective equipment. When using, do not eat, drink or smoke. Wash thoroughly after handling. Keep container tightly closed.

Conditions for safe storage, including any incompatibilities

Store locked up. Store in a cool, dry place out of direct sunlight. Store in a well-ventilated place. 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
Carbon dioxide (CAS 124-38-9)	STEL	54000 mg/m3
		30000 ppm
	TWA	9000 mg/m3 5000 ppm
Epichlorohydrin (CAS 106-89-8)	TWA	1.9 mg/m3
		0.5 ppm
Trichloroethylene (CAS 79-01-6)	STEL	537 mg/m3
		100 ppm
	TWA	269 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
Carbon dioxide (CAS 124-38-9)	STEL	15000 ppm
	TWA	5000 ppm
Epichlorohydrin (CAS 106-89-8)	TWA	0.1 ppm
Trichloroethylene (CAS 79-01-6)	STEL	25 ppm
	TWA	10 ppm

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

Components	Type	Value
Carbon dioxide (CAS 124-38-9)	STEL	30000 ppm
	TWA	5000 ppm
Epichlorohydrin (CAS 106-89-8)	TWA	0.5 ppm
Trichloroethylene (CAS 79-01-6)	STEL	25 ppm
	TWA	10 ppm

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

Components	Type	Value
Carbon dioxide (CAS 124-38-9)	STEL	30000 ppm
	TWA	5000 ppm
Epichlorohydrin (CAS 106-89-8)	TWA	0.5 ppm
Trichloroethylene (CAS 79-01-6)	STEL	25 ppm
	TWA	10 ppm

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

Components	Type	Value
Carbon dioxide (CAS 124-38-9)	STEL	54000 mg/m3
		30000 ppm
	TWA	9000 mg/m3 5000 ppm
Epichlorohydrin (CAS 106-89-8)	TWA	7.6 mg/m3 2 ppm
Trichloroethylene (CAS 79-01-6)	STEL	1070 mg/m3
		200 ppm
	TWA	269 mg/m3 50 ppm

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

Components	Type	Value
Carbon dioxide (CAS 124-38-9)	PEL	9000 mg/m3 5000 ppm
Epichlorohydrin (CAS 106-89-8)	PEL	19 mg/m3 5 ppm

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

Components	Type	Value
Trichloroethylene (CAS 79-01-6)	Ceiling	200 ppm
	TWA	100 ppm

US. ACGIH Threshold Limit Values

Components	Type	Value
Carbon dioxide (CAS 124-38-9)	STEL	30000 ppm
	TWA	5000 ppm
Epichlorohydrin (CAS 106-89-8)	TWA	0.5 ppm
Trichloroethylene (CAS 79-01-6)	STEL	25 ppm
	TWA	10 ppm

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Carbon dioxide (CAS 124-38-9)	STEL	54000 mg/m3
		30000 ppm
	TWA	9000 mg/m3 5000 ppm
Trichloroethylene (CAS 79-01-6)	Ceiling	2 ppm
	TWA	25 ppm

Biological limit values

ACGIH Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling Time
Trichloroethylene (CAS 79-01-6)	15 mg/L	Trichloroacetic acid	Urine	*
	0.5 mg/L	Trichloroethanol, without hydrolysis	Blood	*

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

Exposure guidelines

Canada - Alberta OELs: Skin designation

Epichlorohydrin (CAS 106-89-8) Can be absorbed through the skin.

Canada - British Columbia OELs: Skin designation

Epichlorohydrin (CAS 106-89-8) Can be absorbed through the skin.

Canada - Manitoba OELs: Skin designation

Epichlorohydrin (CAS 106-89-8) Can be absorbed through the skin.

Canada - Ontario OELs: Skin designation

Epichlorohydrin (CAS 106-89-8) Can be absorbed through the skin.

Canada - Quebec OELs: Skin designation

Epichlorohydrin (CAS 106-89-8) Can be absorbed through the skin.

Canada - Saskatchewan OELs: Skin designation

Epichlorohydrin (CAS 106-89-8) Can be absorbed through the skin.

US ACGIH Threshold Limit Values: Skin designation

Epichlorohydrin (CAS 106-89-8) Can be absorbed through the skin.

US NIOSH Pocket Guide to Chemical Hazards: Skin designation

Trichloroethylene (CAS 79-01-6) Can be absorbed through the skin.

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

Epichlorohydrin (CAS 106-89-8) 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

When using, do not eat, drink or 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. Wash hands before breaks and immediately after handling the product. Contaminated work clothing should not be allowed out of the workplace.

9. Physical and Chemical Properties

Appearance	Clear
Physical state	Gas.
Form	Spray
Color	Colorless
Odor	Solvent
Odor threshold	Not available.
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Pour point	Not available.

Specific gravity	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	5860.5436-7239.4951 hPa @ 20°C
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.

10. Stability and Reactivity

Reactivity	This product may react with oxidizing agents.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	Do not mix with other chemicals.
Incompatible materials	Strong oxidizing agents. Soft metals.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon. Phosgene.

11. Toxicological Information

Routes of exposure	Eye, Skin contact, Inhalation, Ingestion.
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Information on likely routes of exposure

Ingestion	May cause stomach distress, nausea or vomiting.
Inhalation	Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Prolonged inhalation may be harmful.
Skin contact	Causes skin irritation. May cause an allergic skin reaction.
Eye contact	Causes serious eye irritation.

Symptoms related to the physical, chemical and toxicological characteristics	Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause an allergic skin reaction. Rash. Skin irritation. May cause redness and pain. Dermatitis. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.
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Information on toxicological effects

Acute toxicity	Narcotic effects. May cause an allergic skin reaction.
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Components	Species	Test Results
Carbon dioxide (CAS 124-38-9)		
Acute		
Dermal		
LD50	Not available	
Inhalation		
LC50	Not available	
Oral		
LD50	Not available	

Components	Species	Test Results
Epichlorohydrin (CAS 106-89-8)		
Acute		
Dermal		
LD50	Rabbit	515 mg/kg, 24 Hours, ECHA
Inhalation		
LC50	Rat	4114 mg/m³, ECHA
Oral		
LD50	Rat	175 - 282 mg/kg, ECHA
Oils, orange, sweet (CAS 8008-57-9)		
Acute		
Dermal		
LD50	Rat	> 5000 mg/kg, RTECS
Inhalation		
LC50	Not available	
Oral		
LD50	Rat	> 5000 mg/kg, RTECS
Trichloroethylene (CAS 79-01-6)		
Acute		
Dermal		
LD50	Rabbit	20 ml/kg, HSDB
Inhalation		
LC50	Dog; Mouse; Rabbit; Rat	12000 ppm, 4 Hours, ECHA
		8450 ppm, 4 Hours, ECHA
	Mouse	8450 ppm, 4 Hours, HSDB
	Rat	26000 ppm, 1 Hours, HSDB
		12500 ppm, 4 Hours, ECHA
		12000 ppm, 4 Hours, HSDB
Oral		
LD50	Dog	5680 mg/kg, HSDB
	Dog; Mouse; Rat	5400 - 7200 mg/kg, ECHA
		2900 mg/kg, ECHA
	Mouse	2443 mg/kg, HSDB
	Rat	4920 mg/kg, HSDB
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		
ACGIH sensitization		
TURPENTINE AND SELECTED MONOTERPENES (CAS 13466-78-9)		Dermal sensitization
Canada - British Columbia OELs: Respiratory or skin sensitiser		
Bicyclo[4.1.0]hept-3-ene, 3,7,7-trimethyl- (CAS 13466-78-9)		Capable of causing respiratory, dermal or conjunctival sensitization.

Canada - Manitoba OELs Hazard: Dermal sensitization

Bicyclo[4.1.0]hept-3-ene, 3,7,7-trimethyl- (CAS 13466-78-9)	Dermal sensitization
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Canada - Saskatchewan OELs Hazard Data: Sensitiser

Bicyclo[4.1.0]hept-3-ene, 3,7,7-trimethyl- (CAS 13466-78-9)	Sensitizer.
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Respiratory sensitization	Not available.
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Skin sensitization	May cause an allergic skin reaction.
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Mutagenicity	Suspected of causing genetic defects.
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Carcinogenicity	May cause cancer.
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ACGIH Carcinogens

Epichlorohydrin (CAS 106-89-8)	A3 Confirmed animal carcinogen with unknown relevance to humans.
Trichloroethylene (CAS 79-01-6)	A2 Suspected human carcinogen.

California Proposition 65 - CRT: Listed date/Carcinogenic substance

beta-Myrcene (CAS 123-35-3)
Epichlorohydrin (CAS 106-89-8)
Trichloroethylene (CAS 79-01-6)

Canada - Manitoba OELs: carcinogenicity

Epichlorohydrin (CAS 106-89-8)	Confirmed animal carcinogen with unknown relevance to humans.
Trichloroethylene (CAS 79-01-6)	Suspected human carcinogen.

Canada - Quebec OELs: Carcinogen category

Epichlorohydrin (CAS 106-89-8)	Suspected carcinogenic effect in humans.
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IARC Monographs. Overall Evaluation of Carcinogenicity

Epichlorohydrin (CAS 106-89-8)	Volume 11, Supplement 7, Volume 71 - 2A Probably carcinogenic to humans.
Trichloroethylene (CAS 79-01-6)	Volume 63, Volume 106 - 1 Carcinogenic to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not listed.

US NTP Report on Carcinogens: Anticipated carcinogen

Epichlorohydrin (CAS 106-89-8)	Reasonably Anticipated to be a Human Carcinogen.
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US NTP Report on Carcinogens: Known carcinogen

Trichloroethylene (CAS 79-01-6)	Known To Be Human Carcinogen.
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Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.
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Teratogenicity	Non-hazardous by WHMIS/OSHA criteria.
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Specific target organ toxicity - single exposure	Narcotic effects.
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Specific target organ toxicity - repeated exposure	Not classified.
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Aspiration hazard	Not available.
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Chronic effects	Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects. Chronic exposure to trichloroethylene may cause liver, kidney, central nervous system and peripheral nervous system effects.
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12. Ecological Information

Ecotoxicity	Expected to be harmful to aquatic organisms. See below
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Ecotoxicological data

Components		Species	Test Results
Epichlorohydrin (CAS 106-89-8)			
Crustacea	EC50	Daphnia	24 mg/L, 48 Hours
Aquatic			
Fish	LC50	Fathead minnow (Pimephales promelas)	9.1 - 12.3 mg/L, 96 hours
Trichloroethylene (CAS 79-01-6)			
Crustacea	EC50	Daphnia	2.2 mg/L, 48 Hours
Fish	LC50	Flagfish (Jordanella floridae)	3.1 mg/L, 96 hours

Persistence and degradability	No data is available on the degradability of this product.
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Bioaccumulative potential	No data available.
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Mobility in soil	No data available.
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Mobility in general	Not available.
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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

Consult authorities before disposal. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. 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

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

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, poison, Packing Group III (each not exceeding 1 L capacity)

Hazard class Limited Quantity - US

Transportation of Dangerous Goods (TDG - Canada)**Basic shipping requirements:**

UN number UN1950

Proper shipping name AEROSOLS, flammable, containing substances in Class 6.1, packing group III

Hazard class Limited Quantity - Canada

Special provisions 80

DOT; TDG



15. Regulatory Information

Canadian federal regulations

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (SOR/2015-17) and the SDS contains all the information required by the HPR.

Canada CEPA Schedule I: Listed substance

Carbon dioxide (CAS 124-38-9) Listed.

Epichlorohydrin (CAS 106-89-8) Listed.

Trichloroethylene (CAS 79-01-6) Listed.

Canada DSL Challenge Substances: Listed substance

Epichlorohydrin (CAS 106-89-8) Listed.

Canada SNAc Reporting Requirements: Listed substance/Publication date

Epichlorohydrin (CAS 106-89-8) 07/18/2012 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

Additional information is given in the Material Safety Data Sheet.

US federal regulations

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

All chemicals used are on the TSCA inventory.

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

Trichloroethylene (CAS 79-01-6) 0.1 % Annual Export Notification required.

CERCLA Hazardous Substance List (40 CFR 302.4)

Epichlorohydrin (CAS 106-89-8) Listed.

Trichloroethylene (CAS 79-01-6) Listed.

SARA 304 Emergency release notification

Epichlorohydrin (CAS 106-89-8) 100 LBS

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)**Hazard categories**

Immediate Hazard - Yes

Delayed Hazard - Yes

Fire Hazard - No

Pressure Hazard - Yes

Reactivity Hazard - No

SARA 302 Extremely hazardous substance

No

SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.
Epichlorohydrin	106-89-8	0.1-1*
Trichloroethylene	79-01-6	80-100*

Other federal regulations**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Epichlorohydrin (CAS 106-89-8)

Trichloroethylene (CAS 79-01-6)

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

Epichlorohydrin (CAS 106-89-8)

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

Carbon dioxide (CAS 124-38-9) Listed.

Epichlorohydrin (CAS 106-89-8) Listed.

Trichloroethylene (CAS 79-01-6) Listed.

US - Illinois Chemical Safety Act: Listed substance

Epichlorohydrin (CAS 106-89-8)

Trichloroethylene (CAS 79-01-6)

US - Louisiana Spill Reporting: Listed substance

Epichlorohydrin (CAS 106-89-8) Listed.

Trichloroethylene (CAS 79-01-6) Listed.

US - Michigan Critical Materials Register: Parameter number

Trichloroethylene (CAS 79-01-6)

US - Minnesota Haz Subs: Listed substance

Carbon dioxide (CAS 124-38-9) Listed.

Epichlorohydrin (CAS 106-89-8) Listed.

Trichloroethylene (CAS 79-01-6) Listed.

US - North Carolina Toxic Air Pollutants: Listed substance

Epichlorohydrin (CAS 106-89-8)

Trichloroethylene (CAS 79-01-6)

US - Texas Effects Screening Levels Hazard Data: Simple asphyxiant

Carbon dioxide (CAS 124-38-9)

US - Texas Effects Screening Levels: Listed substance

Bicyclo[4.1.0]hept-3-ene, 3,7,7-trimethyl- (CAS 13466-78-9) Listed.

Carbon dioxide (CAS 124-38-9) Listed.

Epichlorohydrin (CAS 106-89-8) Listed.

Oils, orange, sweet (CAS 8008-57-9) Listed.

Trichloroethylene (CAS 79-01-6) Listed.

US. Massachusetts RTK - Substance List

Carbon dioxide (CAS 124-38-9)

Epichlorohydrin (CAS 106-89-8)

Trichloroethylene (CAS 79-01-6)

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

Carbon dioxide (CAS 124-38-9)

Epichlorohydrin (CAS 106-89-8)

Trichloroethylene (CAS 79-01-6)

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

Carbon dioxide (CAS 124-38-9)

Epichlorohydrin (CAS 106-89-8)

Trichloroethylene (CAS 79-01-6)

US. Rhode Island RTK

Carbon dioxide (CAS 124-38-9)

Epichlorohydrin (CAS 106-89-8)

Trichloroethylene (CAS 79-01-6)

US. California Proposition 65



WARNING: This product can expose you to chemicals including Trichloroethylene, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

THIS PRODUCT IS NOT AVAILABLE IN THE STATE OF CALIFORNIA.

California Proposition 65 - CRT: Listed date/Carcinogenic substance

beta-Myrcene (CAS 123-35-3)

Listed: March 27, 2015

Epichlorohydrin (CAS 106-89-8)

Listed: October 1, 1987

Trichloroethylene (CAS 79-01-6)

Listed: April 1, 1988

California Proposition 65 - CRT: Listed date/Developmental toxin

Trichloroethylene (CAS 79-01-6)

Listed: Jan 31, 2014

California Proposition 65 - CRT: Listed date/Male reproductive toxin

Epichlorohydrin (CAS 106-89-8)

Listed: September 1, 1996

Trichloroethylene (CAS 79-01-6)

Listed: Jan 31, 2014

Inventory status

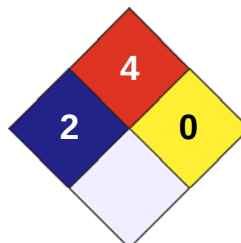
Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. Other Information

LEGEND	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

HEALTH	* 2
FLAMMABILITY	4
PHYSICAL HAZARD	0
PERSONAL PROTECTION	X



Disclaimer

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

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02

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Prepared by

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Other information

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