

# SAFETY DATA SHEET

## 1. Product and Company Identification

<b>Product identifier</b>	<b>Degreasing Solvent EF (Part #4162-07)</b>
<b>Other means of identification</b>	Not available
<b>Recommended use</b>	Degreaser
<b>Recommended restrictions</b>	None known.
<b>Manufacturer information</b>	Nu-Calgon 2611 Schuetz Road St. Louis, MO 63043 US Phone: 314-469-7000 / 800-554-5499 Emergency Phone: 1-800-424-9300 (CHEMTREC)
<b>Supplier</b>	See above.

## 2. Hazards Identification

<b>Physical hazards</b>	Flammable liquids	Category 3
<b>Health hazards</b>	Acute toxicity, inhalation	Category 4
	Skin corrosion/irritation	Category 2
	Sensitization, skin	Category 1
	Carcinogenicity	Category 1
	Specific target organ toxicity, single exposure	Category 3 narcotic effects
	Aspiration hazard	Category 1
<b>Environmental hazards</b>	Not classified.	
<b>WHMIS 2015 defined hazards</b>	Not classified	
<b>Label elements</b>		



<b>Signal word</b>	Danger
<b>Hazard statement</b>	Flammable liquid and vapor. May be fatal if swallowed and enters airways. Causes skin irritation. May cause an allergic skin reaction. May cause drowsiness or dizziness. May cause cancer. Harmful if inhaled.
<b>Precautionary statement</b>	
<b>Prevention</b>	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use non-sparking tools. Take action to prevent static discharges. Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Use only outdoors or in a well-ventilated area. Avoid breathing mist or vapor. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.
<b>Response</b>	In case of fire: Use appropriate media to extinguish. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. If skin irritation or rash occurs: Get medical advice/attention. Specific treatment (see information on this label). Take off contaminated clothing and wash it before reuse. IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. IF exposed or concerned: Get medical advice/attention.
<b>Storage</b>	Store in a well-ventilated place. Keep cool. Store locked up. Keep container tightly closed.
<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>WHMIS 2015: Health Hazard(s) not otherwise classified (HHNOC)</b>	None known
<b>WHMIS 2015: Physical Hazard(s) not otherwise classified (PHNOC)</b>	None known

<b>Hazard(s) not otherwise classified (HNOC)</b>	None known.
<b>Supplemental information</b>	None.

### 3. Composition/Information on Ingredients

#### Mixture

Chemical name	Common name and synonyms	CAS number	%
Distillates (petroleum), light hydrotreated		64742-47-8	40-70
Ethene, tetrachloro-		127-18-4	10-30
o-chlorotoluene		95-49-8	10-30
Benzene, 1-chloro-4(trifluoromethyl)-		98-56-6	5-10

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.

### 4. First Aid Measures

<b>Inhalation</b>	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
<b>Skin contact</b>	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. If skin irritation or rash occurs: Get medical advice/attention. Specific treatment (see information on this label). Take off contaminated clothing and wash it before reuse.
<b>Eye contact</b>	Immediately flush with cool water. Remove contact lenses, if applicable, and continue flushing for 15 minutes. Obtain medical attention immediately.
<b>Ingestion</b>	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.
<b>Most important symptoms/effects, acute and delayed</b>	Direct contact with eyes may cause temporary irritation. 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.
<b>Indication of immediate medical attention and special treatment needed</b>	Provide general supportive measures and treat symptomatically. In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.
<b>General information</b>	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Take off all contaminated clothing immediately. Immediate medical attention is required. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse. Keep away from sources of ignition. No smoking. Avoid contact with eyes and skin. Keep out of reach of children. Wear rubber gloves and safety glasses with side shields.

### 5. Fire Fighting Measures

<b>Suitable extinguishing media</b>	Carbon dioxide (CO2). Dry chemical. Water Fog. Foam.
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazards arising from the chemical</b>	Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed. Firefighters should wear a self-contained breathing apparatus.
<b>Special protective equipment and precautions for firefighters</b>	Firefighters should wear full protective clothing including self contained breathing apparatus. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Fire-fighting equipment/instructions</b>	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. Cool containers exposed to heat with water spray and remove container, if no risk is involved.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>General fire hazards</b>	Flammable liquid and vapor.
<b>Hazardous combustion products</b>	May include and are not limited to: Oxides of carbon. Hydrogen chloride. Hydrogen fluoride.

## 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. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Fully encapsulating, vapor protective clothing should be worn for spills and leaks with no fire. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid inhalation of vapors or mists. Avoid inhalation of vapors. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

### Methods and materials for containment and cleaning up

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Keep combustibles (wood, paper, oil, etc.) away from spilled material. This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways. 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. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Use water spray to reduce vapors or divert vapor cloud drift. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. 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. Vapors may form explosive mixtures with air. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Do not smoke. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Avoid contact with eyes, skin and clothing. Avoid breathing vapor. Avoid prolonged or repeated contact with skin. Avoid prolonged exposure. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Wear personal protective equipment. When using do not eat or drink. Wash thoroughly after handling.

### Conditions for safe storage, including any incompatibilities

Store locked up. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a closed container away from incompatible materials. 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 in an area equipped with sprinklers. Keep out of reach of children. Do not store at temperatures above 120°F (49°C).

## 8. Exposure Controls/Personal Protection

### Occupational exposure limits

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

Components	Type	Value	Form
Distillates (petroleum), light hydrotreated (CAS 64742-47-8)	TWA	200 mg/m <sup>3</sup>	Vapor.
Ethene, tetrachloro- (CAS 127-18-4)	STEL	678 mg/m <sup>3</sup>	
		100 ppm	
	TWA	170 mg/m <sup>3</sup>	
		25 ppm	
o-chlorotoluene (CAS 95-49-8)	TWA	259 mg/m <sup>3</sup>	
		50 ppm	

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

Components	Type	Value	Form
Distillates (petroleum), light hydrotreated (CAS 64742-47-8)	TWA	200 mg/m <sup>3</sup>	Non-aerosol.
Ethene, tetrachloro- (CAS 127-18-4)	STEL	100 ppm	

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

Components	Type	Value	Form
	TWA	25 ppm	
o-chlorotoluene (CAS 95-49-8)	TWA	50 ppm	

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

Components	Type	Value
Ethene, tetrachloro- (CAS 127-18-4)	STEL	100 ppm
	TWA	25 ppm
o-chlorotoluene (CAS 95-49-8)	TWA	50 ppm

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

Components	Type	Value
Ethene, tetrachloro- (CAS 127-18-4)	STEL	100 ppm
	TWA	25 ppm
o-chlorotoluene (CAS 95-49-8)	STEL	75 ppm
	TWA	50 ppm

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

Components	Type	Value
Ethene, tetrachloro- (CAS 127-18-4)	STEL	685 mg/m3
		100 ppm
	TWA	170 mg/m3
		25 ppm
o-chlorotoluene (CAS 95-49-8)	TWA	259 mg/m3
		50 ppm

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

Components	Type	Value
Ethene, tetrachloro- (CAS 127-18-4)	Ceiling	200 ppm
	TWA	100 ppm

**US. ACGIH Threshold Limit Values**

Components	Type	Value
Ethene, tetrachloro- (CAS 127-18-4)	STEL	100 ppm
	TWA	25 ppm
o-chlorotoluene (CAS 95-49-8)	TWA	50 ppm

**US. NIOSH: Pocket Guide to Chemical Hazards**

Components	Type	Value
Distillates (petroleum), light hydrotreated (CAS 64742-47-8)	TWA	100 mg/m3
o-chlorotoluene (CAS 95-49-8)	STEL	375 mg/m3
		75 ppm
	TWA	250 mg/m3
		50 ppm

**Biological limit values**

ACGIH Biological Exposure Indices		Determinant	Specimen	Sampling Time
Components	Value			
Ethene, tetrachloro- (CAS 127-18-4)	0.5 mg/L	Tetrachloroethylene	Blood	*

**ACGIH Biological Exposure Indices**

Components	Value	Determinant	Specimen	Sampling Time
	3 ppm	Tetrachloroethylene	End-exhaled air	*

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

**Exposure guidelines****Canada - Alberta OELs: Skin designation**

Distillates (petroleum), light hydrotreated (CAS 64742-47-8)

Can be absorbed through the skin.

**Canada - British Columbia OELs: Skin designation**

Distillates (petroleum), light hydrotreated (CAS 64742-47-8)

Can be absorbed through the skin.

**Canada - Saskatchewan OELs: Skin designation**

Distillates (petroleum), light hydrotreated (CAS 64742-47-8)

Can be absorbed through the skin.

**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**

Safety goggles or glasses.

**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. Contaminated work clothing should not be allowed out of the workplace.

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## 9. Physical and Chemical Properties

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<b>Appearance</b>	Clear
<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid
<b>Color</b>	Colorless
<b>Odor</b>	typical
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	282 - 349 °F (138.89 - 176.11 °C)
<b>Pour point</b>	Not available.
<b>Specific gravity</b>	0.917 g/cm <sup>3</sup>
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Flash point</b>	120.0 °F (48.9 °C)
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	
<b>Explosive limit - lower (%)</b>	> 0.8
<b>Explosive limit - upper (%)</b>	< 5.7
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.

<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	Negligible
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.

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## 10. Stability and Reactivity

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<b>Reactivity</b>	This product may react with strong oxidizing agents.
<b>Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Conditions to avoid</b>	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point.
<b>Incompatible materials</b>	Strong oxidizing agents. Acids.
<b>Hazardous decomposition products</b>	May include and are not limited to: Hydrogen chloride. Hydrogen fluoride. Oxides of carbon.

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## 11. Toxicological Information

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**Routes of exposure** Eye, Skin contact, Inhalation, Ingestion.

**Information on likely routes of exposure**

<b>Ingestion</b>	May be fatal if swallowed and enters airways.
<b>Inhalation</b>	May be fatal if swallowed and enters airways. Harmful if inhaled. Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Prolonged inhalation may be harmful.
<b>Skin contact</b>	Causes skin irritation. May cause an allergic skin reaction.
<b>Eye contact</b>	Direct contact with eyes may cause temporary irritation.

**Symptoms related to the physical, chemical and toxicological characteristics** May cause an allergic skin reaction. Skin irritation. May cause redness and pain. Dermatitis. Rash. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

**Information on toxicological effects**

**Acute toxicity** May be fatal if swallowed and enters airways. Harmful if inhaled. Narcotic effects. May cause an allergic skin reaction.

Components	Species	Test Results
Benzene, 1-chloro-4(trifluoromethyl)- (CAS 98-56-6)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	> 2000 mg/kg
<i>Inhalation</i>		
LC50	Mouse	20000 mg/m <sup>3</sup> /4H
	Rat	33 mg/l/4h
<i>Oral</i>		
LD50	Mouse	11500 mg/kg
	Rat	13000 mg/kg
Distillates (petroleum), light hydrotreated (CAS 64742-47-8)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	> 2000 mg/kg
<i>Inhalation</i>		
LC50	Rat	> 2.8 mg/l/4h
<i>Oral</i>		
LD50	Rat	> 5000 mg/kg
Ethene, tetrachloro- (CAS 127-18-4)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	> 3835 mg/kg
<i>Inhalation</i>		
LC50	Mouse	5200 ppm, 4 Hours

Components	Species	Test Results
		2978 ppm, 6 Hours
	Rat	17100 mg/l/4h
		5000 ppm, 8 Hours
		4100 ppm, 6 Hours
<i>Oral</i> LD50	Mouse	6000 mg/kg
	Rat	2600 mg/kg
o-chlorotoluene (CAS 95-49-8)		
<b>Acute</b>		
<i>Dermal</i> LD50	Rabbit	> 7940 mg/kg
	Rat	> 1083 mg/kg
<i>Inhalation</i> LC50	Rat	37517 mg/m3, 4 hours
<i>Oral</i> LD50	Rat	> 1600 mg/kg
		5700 mg/kg
		3227 mg/kg
<b>Skin corrosion/irritation</b>	Causes skin irritation.	
<b>Exposure minutes</b>	Not available.	
<b>Erythema value</b>	Not available.	
<b>Oedema value</b>	Not available.	
<b>Serious eye damage/eye irritation</b>	Direct contact with eyes may cause temporary irritation.	
<b>Corneal opacity value</b>	Not available.	
<b>Iris lesion value</b>	Not available.	
<b>Conjunctival reddening value</b>	Not available.	
<b>Conjunctival oedema value</b>	Not available.	
<b>Recover days</b>	Not available.	
<b>Respiratory or skin sensitization</b>		
<b>Canada - Alberta OELs: Irritant</b>		
o-chlorotoluene (CAS 95-49-8)	Irritant	
<b>Respiratory sensitization</b>	Not available.	
<b>Skin sensitization</b>	May cause an allergic skin reaction. Prolonged or repeated exposure can cause drying, defatting and dermatitis.	
<b>Mutagenicity</b>	Non-hazardous by WHMIS/OSHA criteria.	
<b>Carcinogenicity</b>	May cause cancer.	
<b>ACGIH Carcinogens</b>		
Ethene, tetrachloro- (CAS 127-18-4)	A3 Confirmed animal carcinogen with unknown relevance to humans.	
<b>Canada - Manitoba OELs: carcinogenicity</b>		
TETRACHLOROETHYLENE (CAS 127-18-4)	Confirmed animal carcinogen with unknown relevance to humans.	
<b>Canada - Quebec OELs: Carcinogen category</b>		
Ethene, tetrachloro- (CAS 127-18-4)	Detected carcinogenic effect in animals.	
<b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>		
Ethene, tetrachloro- (CAS 127-18-4)	Volume 63, Volume 106 - 2A Probably carcinogenic to humans.	
<b>US - California Proposition 65 - CRT: Listed date/Carcinogenic substance</b>		
Ethene, tetrachloro- (CAS 127-18-4)		
<b>US NTP Report on Carcinogens: Anticipated carcinogen</b>		
Ethene, tetrachloro- (CAS 127-18-4)	Reasonably Anticipated to be a Human Carcinogen.	
<b>US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b>		
	Not listed.	
<b>Reproductive toxicity</b>	Non-hazardous by WHMIS/OSHA criteria.	

<b>Teratogenicity</b>	Non-hazardous by WHMIS/OSHA criteria.
<b>Specific target organ toxicity - single exposure</b>	Narcotic effects.
<b>Specific target organ toxicity - repeated exposure</b>	Not classified.
<b>Aspiration hazard</b>	May be fatal if swallowed and enters airways.
<b>Chronic effects</b>	Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

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## 12. Ecological Information

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<b>Ecotoxicity</b>	See below		
<b>Ecotoxicological data</b>			
<b>Components</b>		<b>Species</b>	<b>Test Results</b>
Benzene, 1-chloro-4(trifluoromethyl)- (CAS 98-56-6)			
Crustacea	EC50	Daphnia	3.68 mg/L, 48 Hours
Distillates (petroleum), light hydrotreated (CAS 64742-47-8)			
<b>Aquatic</b>			
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	2.9 mg/L, 96 hours
Ethene, tetrachloro- (CAS 127-18-4)			
Crustacea	EC50	Daphnia	7.55 mg/L, 48 Hours
<b>Aquatic</b>			
Crustacea	EC50	Water flea (Daphnia magna)	6.1 - 9 mg/L, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	4.82 mg/L, 96 hours
o-chlorotoluene (CAS 95-49-8)			
<b>Aquatic</b>			
Fish	LC50	Bleak (Alburnus alburnus)	6.7 - 9.1 mg/L, 96 hours
<b>Persistence and degradability</b>	No data is available on the degradability of this product.		
<b>Bioaccumulative potential</b>	No data available.		
<b>Mobility in soil</b>	No data available.		
<b>Mobility in general</b>	Not available.		
<b>Other adverse effects</b>	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.		

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## 13. Disposal Considerations

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<b>Disposal instructions</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. 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.
<b>Local disposal regulations</b>	Dispose in accordance with all applicable regulations.
<b>Hazardous waste code</b>	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
<b>Waste from residues / unused products</b>	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).
<b>Contaminated packaging</b>	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.

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## 14. Transport Information

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<b>Transport of Dangerous Goods (TDG) Proof of Classification</b>	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.
<b>U.S. Department of Transportation (DOT)</b>	
<b>Basic shipping requirements:</b>	
<b>UN number</b>	UN1992
<b>Proper shipping name</b>	Flammable liquids, toxic, n.o.s.
<b>Technical name</b>	Distillates (petroleum), light hydrotreated
<b>Technical name</b>	Ethene, tetrachloro-



<b>Hazard class</b>	Limited Quantity - US
<b>Packing group</b>	III
<b>Special provisions</b>	B1, IB3, T7, TP1, TP28
<b>Packaging exceptions</b>	150
<b>Packaging non bulk</b>	203
<b>Packaging bulk</b>	242

**Transportation of Dangerous Goods (TDG - Canada)**

**Basic shipping requirements:**

<b>UN number</b>	UN1992
<b>Proper shipping name</b>	FLAMMABLE LIQUID, TOXIC, N.O.S.
<b>Technical name</b>	Distillates (petroleum), light hydrotreated
<b>Technical name</b>	Ethene, tetrachloro-
<b>Hazard class</b>	Limited Quantity - Canada
<b>Packing group</b>	III
<b>Special provisions</b>	16

**IATA/ICAO (Air)**

**Basic shipping requirements:**

<b>UN number</b>	UN1992
<b>Proper shipping name</b>	Flammable liquid, toxic, n.o.s.
<b>Technical name</b>	Distillates (petroleum), light hydrotreated
<b>Technical name</b>	Ethene, tetrachloro-
<b>Hazard class</b>	Limited Quantity - IATA
<b>Packing group</b>	III

CARGO AIRCRAFT ONLY

**IMDG (Marine Transport)**

**Basic shipping requirements:**

<b>UN number</b>	UN1992
<b>Proper shipping name</b>	FLAMMABLE LIQUID, TOXIC, N.O.S.
<b>Technical name</b>	Distillates (petroleum), light hydrotreated
<b>Technical name</b>	Ethene, tetrachloro-
<b>Hazard class</b>	Limited Quantity - IMDG
<b>Packing group</b>	III

**DOT; IMDG; TDG**



**IATA**




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**15. Regulatory Information**

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**Canadian federal regulations** This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

**Canada CEPA Schedule I: Listed substance**

Ethene, tetrachloro- (CAS 127-18-4)	Listed.
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**Canada NPRI VOCs with Additional Reporting Requirements: Mass reporting threshold/Identification Number**

Distillates (petroleum), light hydrotreated (CAS 64742-47-8)	1 TONNES
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**Export Control List (CEPA 1999, Schedule 3)**

Not listed.

**Greenhouse Gases**

Not listed.

**Precursor Control Regulations**

Not regulated.

**WHMIS 2015 Exemptions**

Not applicable

**US federal regulations**

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

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

Benzene, 1-chloro-4(trifluoromethyl)- (CAS 98-56-6) 1.0 % One-Time Export Notification only.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Ethene, tetrachloro- (CAS 127-18-4) Listed.

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

Not listed.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)****Hazard categories**Immediate Hazard - Yes  
Delayed Hazard - Yes  
Fire Hazard - Yes  
Pressure Hazard - No  
Reactivity Hazard - No**SARA 302 Extremely hazardous substance**

No

**SARA 311/312 Hazardous chemical**

No

**SARA 313 (TRI reporting)**

Chemical name	CAS number	% by wt.
Ethene, tetrachloro-	127-18-4	10-30

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

Ethene, tetrachloro- (CAS 127-18-4)

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

Not regulated.

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

Ethene, tetrachloro- (CAS 127-18-4) Listed.

o-chlorotoluene (CAS 95-49-8) Listed.

**US - Illinois Chemical Safety Act: Listed substance**

Ethene, tetrachloro- (CAS 127-18-4)

**US - Louisiana Spill Reporting: Listed substance**

Ethene, tetrachloro- (CAS 127-18-4) Listed.

**US - Michigan Critical Materials Register: Parameter number**

Ethene, tetrachloro- (CAS 127-18-4) TETRACHLOROETHYLENE

**US - Minnesota Haz Subs: Listed substance**

Ethene, tetrachloro- (CAS 127-18-4) Listed.

o-chlorotoluene (CAS 95-49-8) Listed.

**US - New Jersey RTK - Substances: Listed substance**

Benzene, 1-chloro-4(trifluoromethyl)- (CAS 98-56-6)

Ethene, tetrachloro- (CAS 127-18-4)

o-chlorotoluene (CAS 95-49-8)

**US - North Carolina Toxic Air Pollutants: Listed substance**

Ethene, tetrachloro- (CAS 127-18-4)

**US - Pennsylvania RTK - Hazardous Substances: Special hazard**

Ethene, tetrachloro- (CAS 127-18-4)

**US - Texas Effects Screening Levels: Listed substance**

Benzene, 1-chloro-4(trifluoromethyl)- (CAS 98-56-6) Listed.

Distillates (petroleum), light hydrotreated (CAS 64742-47-8) Listed.

Ethene, tetrachloro- (CAS 127-18-4) Listed.

o-chlorotoluene (CAS 95-49-8) Listed.

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

Ethene, tetrachloro- (CAS 127-18-4)

**US. Massachusetts RTK - Substance List**

Distillates (petroleum), light hydrotreated (CAS 64742-47-8)

Ethene, tetrachloro- (CAS 127-18-4)  
o-chlorotoluene (CAS 95-49-8)

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

Distillates (petroleum), light hydrotreated (CAS 64742-47-8)  
Ethene, tetrachloro- (CAS 127-18-4)

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

Distillates (petroleum), light hydrotreated (CAS 64742-47-8)  
Ethene, tetrachloro- (CAS 127-18-4)  
o-chlorotoluene (CAS 95-49-8)

**US. Rhode Island RTK**

Ethene, tetrachloro- (CAS 127-18-4)

**US. California Proposition 65**

WARNING: This product contains a chemical known to the State of California to cause cancer.

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

Ethene, tetrachloro- (CAS 127-18-4) Listed: April 1, 1988

**Inventory status**

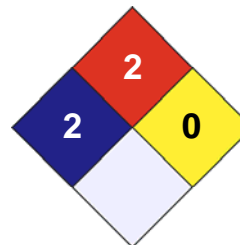
Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*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

<b>HEALTH</b>	*	2
<b>FLAMMABILITY</b>		2
<b>PHYSICAL HAZARD</b>		0
<b>PERSONAL PROTECTION</b>		X



**Disclaimer**

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

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01

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**Prepared by**

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**Other information**

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