

**MATERIAL SAFETY DATA SHEET**

Effective Date: July 18, 2016

**SECTION I – PRODUCT IDENTIFICATION AND PREPARATION INFORMATION**

**Product Name:** COOLit  
**WHMIS Class:** Class D - Division 2A; 2B;  
 Class B - Division 5: Flammable Aerosol;  
 Class A - Compressed Gas  
**Product Use:** Lubricant  
**TDG Classification:** Aerosols, flammable; Class 2.1; UN1950  
 Consumer commodity (Applicable to containers < 1 litre)

	HMIS / NFPA
HEALTH	1
FLAMMABILITY	4
REACTIVITY	1

**Supplier Name & Address:** STARK INDUSTRIAL  
 527 DUNDONALD STREET,  
 FREDERICTON, NB E3B 1X5  
 1-888-709-7773  
**MSDS Prepared by:** STARK INDUSTRIAL  
 527 DUNDONALD STREET,  
 FREDERICTON, NB E3B 1X5  
 1-888-709-7773  
**HMIS**  
 Severe 4  
 Serious 3  
 Moderate 2  
 Slight 1  
 Minimal 0  
**NFPA**  
 Extreme  
 High  
 Moderate  
 Slight  
 Insignificant

**SECTION II – HAZARDOUS INGREDIENTS**

Ingredients	CAS#	WT%	ACGIH-TLV	LC <sub>50</sub>	LD <sub>50</sub>
Ethanol	64-17-5	30 - 60	1000 ppm TWA	31623 ppm 4 h, rat	7060 mg/kg oral, rat
Oxirane, methyl-, polymer with oxirane, monobutyl ether	9038-95-3	10 - 30	Not available	>147 mg/m <sup>3</sup> 4 h, rat	5000 mg/kg oral, rat
Alkanolamine	Trade secret	1 - 5	5 mg/m <sup>3</sup> TWA	Not available	5200 mg/kg oral, rat
Petroleum gases, liquefied	68476-85-7	15 - 40	1000 ppm TWA	Not available	Not available

**SECTION III – PHYSICAL DATA**

**pH, Concentrate:** Not available  
**Vapour Density (Air = 1):** >1  
**Solubility in Water:** Complete  
**VOC (%):** ~90  
**Specific Gravity, Concentrate (H<sub>2</sub>O = 1):** 0.862 @ 24°C  
**Boiling Point, Concentrate (°C):** Not available  
**Vapour Pressure (can, kPa):** 460 @ 24°C  
**Evaporation Rate (BuAc = 1):** Not available  
**Physical State:** Aerosol  
**Odour:** Solvent  
**Appearance:** Colourless  
**Viscosity:** Water thin

**SECTION IV – FIRE AND EXPLOSION DATA**

**Flammability:** Flammable aerosol by flame projection test.  
**Flash Point, Concentrate: (°C, TCC):** 23.3  
**LEL:** Not available  
**UEL:** Not available  
**Hazard Combustion Products:** May include and are not limited to oxides of carbon.  
**Means of Extinction:** Dry chemical, foam, carbon dioxide.  
**Special Fire Hazards:** Contents under pressure. Container may explode with heat. Cool containers with water spray and remove source of ignition if safe. Fire fighters should wear self-contained breathing apparatus.

**SECTION V – REACTIVITY DATA**

**Conditions for Chemical Instability:** Stable.  
**Incompatible Materials:** Oxidizers.  
**Hazardous Decomposition Products:** May include and are not limited to oxides of carbon when heated to decomposition.

**SECTION VI – TOXICOLOGICAL PROPERTIES**

**Route of Entry:** Eye, Skin contact, Inhalation, Ingestion.  
**Effects of Acute Exposure:** Eye - May cause irritation. Skin - May cause irritation. Inhalation - Excessive intentional inhalation may cause respiratory tract irritation and central nervous system effects (headache, dizziness). Ingestion - May cause stomach distress, nausea or vomiting. Aspiration of material into lungs can cause chemical pneumonitis.  
**Effects of Chronic Exposure:** Prolonged or repeated exposure to skin can cause drying, defatting and dermatitis.  
**Irritancy:** Hazardous by WHMIS criteria. **Respiratory Tract Sensitization:** No data available.  
**Carcinogenicity:** Hazardous by WHMIS criteria (contains Oxirane, methyl-, polymer with oxirane, monobutyl ether).  
**Teratogenicity, Mutagenicity, Reproductive Effects:** No data available. **Synergistic Materials:** Not available.

**SECTION VII – PREVENTATIVE MEASURES**

**PERSONAL PROTECTIVE EQUIPMENT:** Gloves - Rubber gloves. Confirm with a reputable supplier first. Eyes - Safety glasses. Respiratory - Not normally required if good ventilation is maintained.  
**Engineering Controls:** General ventilation normally adequate.  
**Leak and Spill Procedure:** Before attempting clean up, refer to hazard data given above. Remove sources of ignition. Although the chance of a significant spill or leak is unlikely in aerosol containers, in the event of such an occurrence, absorb spilled material with a non-flammable absorbent such as sand or vermiculite.  
**Waste Disposal:** Review federal, provincial, and local government requirements prior to disposal. Do not puncture or incinerate container.  
**Storage and Handling Requirements:** Keep out of reach of children. Store in a closed container away from incompatible materials. Avoid heat, open flame, and other sources of ignition in the use and storage of this product. Do not store at temperatures above 49 degrees C.

**SECTION VIII – FIRST AID**

**Eye:** Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.  
**Skin:** Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.  
**Inhalation:** If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention. If breathing has stopped, trained personnel should administer CPR immediately.  
**Ingestion:** Do not induce vomiting. Rinse mouth with water then drink one or two glasses of water. Obtain medical attention. Never give anything by mouth if victim is unconscious, or is convulsing.

The above MSDS reflects the latest information on file with respect to hazards, properties and handling of this product. No warranty however, expressed or implied, is made with regard to the use of this information.