

# MATERIAL SAFETY DATA SHEET

*This Material Safety Data Sheet complies with the Canadian Controlled Product Regulations.*

## 1. Product and Supplier Identification

**Product:** Glass Cutter Oil

**Product Use:** Glass cutter lubricant

**Supplier:** NOVACAN INDUSTRIES LTD.  
856 Washington Drive  
Port Moody, BC V3H 3K8  
Telephone: (888) 931-6422  
Transport Emergency Telephone: +1(250) 263.2124

**Manufacturer:** As above

## 2. Composition

Component	% (w/w)	Exposure Limits
White Mineral Oil	100	ACGIH TWA: 5mg/m <sup>3</sup> (mist) ACGIH STEL: 10 mg/m <sup>3</sup> (mist) OSHA PEL: 5mg/m <sup>3</sup> (mist)

## 3. Hazards Identification

**Routes of Entry:** (under normal conditions of use)

Skin Contact: Minor    Eye Contact: Minor    Ingestion: Major    Inhalation: Minor

**Effects of Short-Term (Acute) Exposure:**

**Inhalation:** This product has a low vapour pressure and is not expected to present an inhalation hazard at ambient conditions. Caution should be taken to prevent aerosolization or misting of this product. The short term exposure limit for this product as an oil mist is 10mg/m<sup>3</sup>. Above this limit product may cause respiratory irritation or other pulmonary effects.

**Skin Contact:** This product is not expected to cause any skin irritation upon direct single or repeated and prolonged contact; however, similar chemical composition products applied to the skin of laboratory animals resulted in minimal to slight dermal irritation.

**Eye Contact:** This product is minimally irritating to the eyes upon direct contact, based on testing of similar products and/or components.

**Ingestion:** Ingestion is relatively non-toxic unless aspiration occurs. Aspiration may lead to chemical pneumonitis that is characterized by pulmonary edema and hemorrhage and may be fatal. This product has laxative properties and may result in abdominal cramps and diarrhea.

## Hazards Identification, continued

### Effects of Long-Term (Chronic) Exposure:

Not determined.

### Medical Conditions Aggravated By Exposure:

Not determined.

## 4. First Aid Measures

**Eye Contact:** Immediately flush eyes with large amounts of water and continue flushing for at least 15 minutes until irritation subsides. If material is hot, treat for thermal burns and take victim to hospital immediately.

**Skin Contact:** Remove contaminated clothing. If material is hot, submerge injured area in cold water. If victim is severely burned, remove to a hospital immediately.

**Inhalation:** This material has a low vapor pressure and is not expected to present an inhalation exposure at ambient conditions. If victim has been exposed to vapors remove to fresh air. If breathing has stopped, a trained person should perform artificial respiration. Get medical attention immediately.

**Ingestion:** May act as a laxative. **Do not induce vomiting** due to aspiration hazard. If vomiting occurs, lower head below knees to avoid aspiration. Seek medical attention immediately.

## 5. Fire Fighting Measures

<b>Flash point:</b>	168°C
<b>Autoignition temperature:</b>	Not applicable.
<b>Lower Explosive Limit:</b>	Not established
<b>Upper Explosion Limit:</b>	Not established
<b>Sensitivity to Impact:</b>	Not determined.
<b>Sensitivity to Static Discharge:</b>	Not determined.

**Hazardous Combustion Products:** Dense smoke may be generated while burning. Incomplete combustion can form carbon monoxide.

**Extinguishing Media:** Use dry chemical, foam, or carbon dioxide.

**Fire Fighting Instructions:** This material will burn although it is not easily ignited. Caution should be exercised when using water or foam as frothing may occur, especially if sprayed onto burning liquid. Do not enter confined fire space without proper personal protection. Use approved positive pressure self-contained breathing apparatus.

### NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) HAZARD INDEX:

HEALTH: 0 - No unusual hazard.

FLAMMABILITY: 1 - Combustible if heated.

REACTIVITY: 0 - Not reactive when mixed with water.

SPECIFIC HAZARDS: None

## 6. Accidental Release Measures

**Personal Protection:** Wear appropriate personal protective equipment as specified in section 8 while cleaning the spill.

**Environmental Precautions:** Implement spill control plan. Keep materials from spilling into sewers, storm drains, surface water and soil.

**Remedial Measures:** Contain spillage and mop up with absorbant material. Dispose of in approved waste containers. Comply with all applicable governmental regulations on spill reporting and handling and disposal of waste. It is recommended that each user establish a spill prevention, control and counter measure plan. Such a plan should include procedures applicable to proper storage, control and clean-up of spills, including reuse or disposal as appropriate.

## 7. Handling and Storage

**Handling Procedures:** Do not transfer to unmarked containers. Ensure adequate ventilation. Have emergency equipment readily available. Keep containers closed when not in use. Keep away from sources of ignition. Wash face and hands thoroughly after handling and before eating, drinking, or using tobacco products.

**Storage:** Store in closed containers away from heat, sparks, open flame, or oxidizing materials. Fire extinguishers should be kept readily available.

## 8. Exposure Controls, Personal Protection

**Engineering Controls:** Ventilation not required under normal use. If necessary, use general or local exhaust ventilation to maintain exposure below the exposure limits.

**Respiratory Protection:** Not required under normal use. If vapour or mist is generated by heating use a NIOSH certified organic vapour respirator with dust and mist filter.

**Skin protection:** Not required under normal use. For prolonged or repeated skin exposure, wear impervious gloves and boots and/or other protective clothing according to circumstances.

**Eye and Face Protection:** Not required under normal use. If material is used in such a way that splashing could occur, use splash proof safety goggles.

**Footwear:** As required by worksite rules.

**Other:** Always wash hands and face with soap and water before eating, drinking, smoking.

## 9. Physical and Chemical Properties

<b>Appearance:</b>	Pale pink to purple liquid	<b>Vapour Density:</b>	Not determined
<b>Odour:</b>	odourless	<b>Freezing Point</b>	Not determined
<b>Odour Threshold:</b>	Not applicable	<b>Boiling Point:</b>	264°C
<b>pH:</b>	Not determined	<b>Critical Temperature:</b>	Not applicable.
<b>Vapour Pressure:</b>	<1mmHg @ 21°C	<b>Relative Density:</b>	0.84 (water = 1)
<b>Solubility:</b>	Soluble in hydrocarbons, insoluble in water	<b>Partition Coefficient:</b>	No data
		<b>Evaporation Rate:</b>	<1 (EE =1)

## 10. Stability and Reactivity

**Chemical Stability:** Stable.

**Incompatibility:** May react with strong oxidizing agents.

**Hazardous Decomposition Products:** None

**Hazardous Polymerization:** Will not occur.

## 11. Toxicological Information

**Acute Exposure:** Not determined.

<b>Chronic Exposure:</b>	See Section 3.
<b>Exposure Limits:</b>	See Section 2.
<b>Irritancy:</b>	See Section 3.
<b>Sensitization:</b>	See Section 3.
<b>Carcinogenicity:</b>	See Section 2
<b>Teratogenicity:</b>	Not available
<b>Reproductive toxicity:</b>	Not available
<b>Mutagenicity:</b>	Not available
<b>Synergistic products:</b>	None reported.

## 12. Ecological Information

**Environmental toxicity:** Not expected to be harmful to aquatic organisms.

**Biodegradability:** This material is considered biodegradable.

## 13. Disposal Considerations

Absorb on oleophilic medium and collect in approved containers. Dispose of in accordance with appropriate Federal, Provincial and Local regulations.

## 14. Transport Information

**Transport of Dangerous Goods (TDG and CLR):** Not regulated

**International Air Transport Association (IATA):** Not regulated

**International Maritime Organization (IMO):** Not regulated

## 15. Regulatory Information

### **CANADIAN FEDERAL REGULATIONS:**

**CEPA, DOMESTIC SUBSTANCES LIST:** Listed

**WHMIS CLASSIFICATION:** D2B

## 16. Other Information

**Original Preparation Date:** Sept. 25, 2001

**Prepared by:** Kel-Ex Agencies Ltd., P.O. Box 52201, North Vancouver, BC, Canada, V7J 3V5

Comments: This Material Safety Data Sheet was prepared using information provided by Novacan Industries Ltd., and CCINFO. The information in the Material Safety Data Sheet is offered for your consideration and guidance when exposed to this product. Novacan Industries Ltd., expressly disclaims all expressed or implied warranties and assumes no responsibilities for the accuracy or completeness of the data contained herein. The data in this MSDS does not apply to use with any other product or in any other process.

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