

MATERIAL SAFETY DATA SHEET

This Material Safety Data Sheet complies with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, 29 CFR 1910.1200.

1. Product and Supplier Identification

Product: Glass Cutter Oil

Product Use: Glass cutter lubricant

Supplier: Novacan Industries Ltd.
856 Washington Drive,
Port Moody, BC Canada V3L 5B5
Emergency Telephone: (604) 986-4617

Manufacturer: As above

2. Composition

Component	% (w/w)	Exposure Limits
White Mineral Oil	100	ACGIH TWA: 5mg/m ³ (mist) ACGIH STEL: 10 mg/m ³ (mist) OSHA PEL: 5mg/m ³ (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 vapor 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/m³. 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

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

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

Chronic Exposure: See Section 3.

Exposure Limits: See Section 2.

Irritancy: See Section 3.

Sensitization: See Section 3.

Carcinogenicity: See Section 2

Teratogenicity: Not available

Reproductive toxicity: Not available

Mutagenicity: Not available

Synergistic products: 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, State and Local regulations.

14. Transport Information

Department of Transport (49 CFR): Not regulated

International Air Transport Association (IATA): Not regulated

International Maritime Organization (IMO): Not regulated

15. Regulatory Information

UNITED STATES – FEDERAL REGULATIONS:

TOXIC SUBSTANCES CONTROL ACT (TSCA): All components are listed in the inventory.

OSHA, 29 CFR 1910, Subpart Z: Does not meet the criteria for a hazardous substance.

CERCLA, 40 CFR 302: Not listed

SARA 302, 40 CFR 355: Not listed

SARA 313, 40 CFR 372: No reporting requirements

SARA 311/312, 40 CFR 370: Delayed (Chronic) Health.

16. Other Information

Preparation Date: Sept. 25, 2001

Prepared by: Kel-Ex Agencies Ltd., P.O. Box 86643, North Vancouver, BC, Canada, V7L 4L2

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.

Revisions: None