

Alpha Resources Inc.

## Safety Data Sheet (SDS)

Revision Date: April 21, 2015

## SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

## Diamond Lubricant (O/S Thinner)

AM1006, AM1007, AM1008

This product is intended for laboratory use.

Alpha Resources Inc. 3090 Johnson Rd. Stevensville, MI 49127 (269)465-5559

[sales@alpharesources.com](mailto:sales@alpharesources.com)[www.alpharesources.com](http://www.alpharesources.com)

CHEMTREC Emergency Phone Number: (800) 424-9300

Signal Word: WARNING

## SECTION 2— HAZARDS IDENTIFICATION

**Hazard Categories:** Acute toxicity, Oral (Category 4), skin irritation (Category 2), and eye irritation (Category 2A)

**Hazard Statements:** Harmful if swallowed (H302), causes skin irritation (H315), and causes serious eye irritation (H319).

**Precautionary Statements:** Wash skin thoroughly after handling (P264), do not eat, drink or smoke when using this product (P270), wear protective gloves/eye protection/face protection (P280), IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell (P301+P312), IF ON SKIN: wash with plenty of soap and water (P302+P352) IF IN EYES: rinse cautiously with water for several minutes, remove contact lenses, if present and easy to do, continue rinsing (P305+P351+P338), and Dispose of contents/container to an approved waste disposal plant (P501).



## SECTION 3— COMPOSITION, INFORMATION ON INGREDIENTS

## Hazardous substance required for disclosure.

Component	CAS #	Common %
Poly (propylene glycol) monobutyl ether	9003-13-8	<100

As per paragraph (i) of 29 CFR 1910.1200, formulation is considered a trade secret and specific chemical identity and exact percentage of composition may have been withheld. Specific chemical identity and exact percentage composition will be provided to health professionals, employees, or designated representatives in accordance with applicable provision of paragraph (i).

## SECTION 4— FIRST AID MEASURES

**If inhaled:** Remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P340). Call a POISON CENTER or doctor/physician if you feel unwell (P312). If breathing stops give artificial respiration.

**If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing (P305+P351+P338). **If eye irritation persists:** Get medical advice or attention (P337+P313).

**If on skin:** Wash with plenty of water. (P302+P352). If persists seek medical attention and bring label.

**If swallowed:** Wash out mouth with water if the person is able to do so. Call a doctor or poison center.

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**SECTION 5 — FIRE FIGHTING MEASURES**

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**Appropriate Extinguishing Media:** Use regular dry chemical, carbon dioxide, alcohol resistant foam or water spray.

**Inappropriate Extinguishing Media:** N/A

**Specific Hazards Arising from Chemical:** Carbon oxides

**Fire Fighting Instructions:** Evacuate area. Firefighters should use standard protective equipment including self-contained breathing apparatus. Water spray can be a good way to cool fire exposed surfaces and protect personnel.

**Flash Point:** N/A

**Auto-ignition temperature:** N/A

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**SECTION 6 — ACCIDENTAL RELEASE MEASURES**

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**Personal Precautions:** Use suitable personal protective equipment when cleaning up any spills. Provide adequate ventilation. If dust formation occurs, use appropriate respiratory protection.

**Environmental Precautions:** Do not allow to be released into drains or water ways.

**Clean-up Method:** Collect the hazardous material and dispose of according to local, regional, state, and federal regulations. Using damp cloth wipe up spill area. Avoid dust generation. Keep material in a suitable container for disposal.

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**SECTION 7 — HANDLING AND STORAGE**

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**Handling:** Avoid any contact with bare skin, clothing, and eyes. Wash all areas after handling material. Proper ventilation is required when using this product. Don't breathe gas/fumes/vapor/spray/mist.

**Storage:** This product should be stored in a cool, dry place and kept sealed (P233) when not in use.

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**SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION**

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**Exposure Limit Values:** Contains no substances with occupational exposure limit values.

**Engineering Controls:** Proper ventilation must be available to be certain exposure limits are not exceeded.

**Respiratory Protection:** Wear a NIOSH applicable certified respirator to limit exposure to materials.

**Hand Protection:** Glove suitability will differ depending on the end use of product.

**Eye protection:** Safety glasses with side shields are necessary if splashing is possible. Eye wash station should be in close proximity to work area. Safety shower should also be nearby.

**Skin and Body Protection:** Chemical and oil resistant clothing are recommended for extended periods of contact.

**Hygiene:** Wash hands and areas of possible exposure after handling material especially before eating, drinking, and smoking. The work clothing should also be washed regularly to remove any contaminants. Dispose of contaminated clothing that can't be deemed safe.

**Environmental:** Don't release this material into water ways or drains. If this material is released, contact the proper authorities.

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**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**


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**Note: Physical and chemical properties are provided for safety, health, and environmental considerations only and may not represent the products specifications. Contact supplier for additional information.**

Appearance: Brown liquid	Odorless	Specific Gravity: 2.65g/cm <sup>3</sup>
Freezing Point: -20 °C	Relative Density: 0.989g/cm <sup>3</sup> @25 °C	Vapor Density: N/A
Vapor pressure: 0.001hPa @ 20 °C	Solubility: Insoluble in water	Boiling Point: 200 °C
Flash point: 140.6 °C closed cup	Auto-Ignition Temperature: ca.350 °C @ 984 hPa	
Partition coefficient: n-octanol/water – log Pow:>1.18-< 4.37@ 28 °C		

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**SECTION 10 — STABILITY AND REACTIVITY**


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Stable material at normal laboratory conditions.

**Avoid:** Keep away from incompatible materials.

**Incompatible:** Strong bases, strong acids, and strong oxidizing agents.

**Hazardous Decomposition:** None    **Hazardous Polymerization:** None

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**SECTION 11 — TOXICOLOGICAL INFORMATION**


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**Information on toxicological effects**

**Acute toxicity:** LD50 Oral-rat-female->300-<2,000mg/kg

LD50 Dermal-rat-male and female->2,000mg/kg

**Skin corrosion/irritation:** skin – EPISKIN Human skin model test Result: irritating to skin

**Serious eye damage/eye irritation:** no data available

**Respiratory or skin sensitization:** no data available

**Germ cell mutagenicity:** Ames test, S. typhimurium Result: negative

**Carcinogenicity:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP, and OSHA.

**Reproductive toxicity:** no data available

**Specific target organ toxicity - single exposure:** no data available

**Specific target organ toxicity - repeated exposure:** no data available

**Aspiration hazard:** no data available

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**SECTION 12 — ECOLOGICAL INFORMATION**


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**Eco-toxicity Data:**

Toxicity to fish static test LC50 Danio rerio (zebra fish) – 104 mg/l (96hr)

Toxicity to algae static test EC50Pseudokirchneriella subcapitata (selenastrum capricornutum) – ca. 333mg/l (72hr)

**Mobility in Soil:** No data

**Bio-accumulative Potential:** No data

**Persistence and Degradability:** No data

DO NOT empty into drains or aquatic environments.

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**SECTION 13 — DISPOSAL CONSIDERATIONS**

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Waste disposal should be done in compliance with existing federal, state and local environmental regulations. Do not contaminate any streams, lakes, or ponds. Dispose of contents/container to an approved waste disposal plant.

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**SECTION 14 — TRANSPORT INFORMATION**

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Not regulated for transport by DOT.

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**SECTION 15 — REGULATORY INFORMATION**

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**U.S. Regulations:**

CERCLA Sections 102a/103 (40 CFR 302.4): Not regulated.

SARA Title III Section 302 (40 CFR 355.30): Not regulated.

SARA Title III Section 304 (40 CFR 355.40): Not regulated.

SARA Title III Section 313 (40 CFR 372.65): Not regulated.

OSHA Process Safety (29 CFR 1910.119): Not regulated.

SARA Title III Sections 311/312 Hazardous Categories (40 CFR 370.21):

ACUTE HEALTH: Yes

CHRONIC HEALTH: No

FIRE: No

REACTIVE: No

PRESSURE: No

**State Regulations:**

Pennsylvania Right to Know Components: Poly (propylene glycol) monobutyl ether CAS#9003-13-8

New Jersey Right to Know Components: Poly (propylene glycol) monobutyl ether CAS#9003-13-8

California Proposition 65: Not listed.

Canadian Regulations: WHMIS Information is not provided for this material

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**SECTION 16 — OTHER INFORMATION**

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The data and information as stated was furnished by the manufacturer/vendor/supplier of this product. Alpha Resources Inc. cannot warrant the accuracy of this information and shall not be responsible or liable for any damage that may result, should any of the information be erroneous.

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