

Alpha Resources Inc.

Safety Data Sheet (SDS)

Revision Date: May 11, 2015

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Diamond Lubricant (water soluble thinner)

AM1002, AM1003, AM1004

This product is intended for laboratory use.

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

CHEMTREC Emergency Phone Number: (800) 424-9300

Signal Word: DANGER

SECTION 2— HAZARDS IDENTIFICATION

Hazard class: 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), don't eat drink or smoke when using this product (P270), wear protective gloves/protective clothing/eye protection/face protection (P280), and dispose of contents/container to an approved waste disposal plant (P501).**First-Aid Statements:** 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 skin irritation or rash occurs: get medical advice/attention (P333+P313), IF IN EYES: rinse cautiously with water for several minutes, remove contact lenses, if present and easy to do, continue rinsing (P305+P351+P338), if eye irritation persists: get medical advice/attention (P337+P313), specific treatment, see supplemental first aid instructions on this label (P321), rinse mouth (P330), and remove wash contaminated clothing before reuse (P363).

SECTION 3— COMPOSITION, INFORMATION ON INGREDIENTS

Hazardous substance required for disclosure.

Component	CAS #	Common %
Polyalkylene Glycol	9003-13-8	<100

SECTION 4— FIRST AID MEASURES

If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P340). If breathing ceases, apply appropriate CPR techniques. Seek medical attention.**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 soap and water. (P302+P352). If persists seek medical attention and bring label. Remove contaminated clothing and wash before reuse.**If swallowed:** Wash out mouth with water if the person is able to do so. Don't induce vomiting. Call a doctor or poison center. Never give anything by mouth to an unconscious person.

SECTION 5 — FIRE FIGHTING MEASURES

Appropriate Extinguishing Media: Use water fog, alcohol-resistant foam, dry chemical, or carbon dioxide.

Inappropriate Extinguishing Media: N/A

Specific Hazards Arising from Chemical: Might produce 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

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use suitable personal protective equipment when cleaning up any spills. Avoid breathing vapors/mist/gas/spray. Eliminate sources of ignition. Avoid allowing material to enter drains or waterways. Stop source of leak if possible and evacuate any personnel from situation if safe to do so.

Clean-up Method: Contain the released liquid with absorbent material. Collect the material and dispose of according to local, regional, state, and federal regulations. Consult an industrial expert in hazardous disposal to determine conformity.

SECTION 7 — HANDLING AND STORAGE

Handling: Avoid any contact with bare skin, clothing, and eyes. Wash all areas after handling material. Proper ventilation is required when using this product. Avoid breathing fumes/gas/mist/spray from molding or machining operations. If proper ventilation is not achievable, a respirator is required.

Storage: This product should be stored in a cool, dry, and well-ventilated place. Keep container sealed when not using.

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

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.

Personal 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 or goggles are necessary. Eye wash station should be in close proximity to work area. Safety shower should also be nearby.

Skin and Body Protection: Chemical resistant clothing is an option for protection. Keep skin covered to prevent any potential hazardous conditions to form.

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.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Appearance: variable color liquid	Odorless	Specific Gravity: 1.03g/cm ³
Boiling Point: >200°C	Freezing point: -20°C	Vapor Density: no data
Vapor pressure: 0.001 mmHg @ 20 °C	Water Solubility: 42.3g/L @ 20 °C	Relative Density: 0.96 g/cm ³
Flash point: >140°C	Percent Volatile: 70%	Evaporation Rate: no data
Auto ignition: ca.350 °C @738mmHg		

SECTION 10 — STABILITY AND REACTIVITY

Stable material at normal laboratory conditions.

Avoid: Incompatibles

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

Hazardous Decomposition: no data available (in event of fire see section 5)

Hazardous Polymerization: None

SECTION 11 — TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity: LD50 Oral Rat Female: >300-<2000mg/kg LD50 Dermal Rat: >2000mg/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 probably, 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

SECTION 12 — ECOLOGICAL INFORMATION

Eco-toxicity Data:

Toxicity to Fish: Static test LC50 *Danio rerio* (zebra fish)-104mg/l (96hr)

Toxicity to Algae: Static test EC50 *Pseudokirchneriella subcapitata* (*Selenastrum capricornutum*)-ca.333mg/l (72hr)

Mobility in Soil: No data

Bio-accumulative Potential: No data

Persistence and Degradability: No data

SECTION 13 — DISPOSAL CONSIDERATIONS

Waste disposal should be done in compliance with existing federal, state and local environmental regulations. Do not contaminate any streams, lakes, or ponds. Waste product must be disposed of via an authorized waste disposal company in accordance with existing regulations. Contaminated packaging must be disposed of as unused product.

SECTION 14 — TRANSPORT INFORMATION

Not regulated by DOT, IMDG, or IATA.

SECTION 15 — REGULATORY INFORMATION

SARA Title III:

Section 302 Extremely hazardous substances: none

Section 311/312 Hazardous categories: Acute Health Hazard

Section 313 Toxic chemicals: none

Massachusetts RTK Components: none

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

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

RCRA Status: To be determined by user.

California Prop 65: none

SECTION 16 — OTHER INFORMATION

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.
