

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**Diamond Slurry/Diamond Spray**

AM0500, AM0501, AM0502, AM0503, AM0504, AM0505, AM0506, AM0507, AM0508, AM1010, AM1012, AM1014, AM1016, AM1018, AM1020

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 5), skin corrosion/irritation (category 3), serious eye damage (category 2B), reproductive toxicity (category 1B), hazardous to the aquatic environment (category 3), specific target organs/systemic toxicity following single exposure (category 1), and specific target organs/system toxicity following repeated exposure (category 1).

Hazard Statements: May be harmful if swallowed (H303), causes mild skin/eye irritation (H316+H320), may damage fertility or the unborn child (H360), causes damage to nerve systems, kidney, heart, and organs of respiratory (H371), and causes damage to nerve systems, heart, organs of respiratory through prolonged or repeated exposure (H372).

Precautionary Statements: Avoid breathing dust/fume/gas/mist/vapors/spray (P261), use only outdoors or in a well-ventilated area (P271), contaminated work clothing shouldn't be allowed out of workplace (P272), and wear protective gloves/protective clothing/eye protection/face protection (P280).

First-Aid Statements: 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 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), remove wash contaminated clothing before reuse (P363), and dispose of contents/container to local/international regulation (P501).

SECTION 3— COMPOSITION, INFORMATION ON INGREDIENTS**Hazardous substance required for disclosure.**

Component	CAS #	Common %
Ethylene Glycol	107-21-1	<60
Diamond	7782-40-3	<8

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.

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 toxic fumes.

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. This product isn't flammable.

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. 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. Avoid open flames, heat sources, or ignition points.

Storage: This product should be stored in a cool, dry, and well-ventilated place. Keep container sealed when not using. Avoid storing with strong oxidizing agents, zinc, and galvanized steel. Don't reuse empty containers without adequate cleaning.

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Exposure Limit Values: Ethylene Glycol Occupational exposure limit: 50mg/m³

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 fluid

Odorless

Specific Gravity: 1.03g/cm³

Boiling Point: 212°F

Freezing point: 32°F

Vapor Density: heavier than air

Vapor pressure: N/A

Solubility: soluble

Boiling Point: N/A

Flash point: >200°F

Percent Volatile: 70%

Evaporation Rate: slower than water

SECTION 10 — STABILITY AND REACTIVITY

Stable material at normal laboratory conditions.

Avoid: Incompatibles

Incompatible: Strong oxidizing agents, zinc, galvanized steel. Testing for compatibility with specific plastic materials is recommended.

Hazardous Decomposition: carbon monoxide, carbon dioxide, and other various oxides of carbon.

Hazardous Polymerization: None

SECTION 11 — TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity: no data available

Skin corrosion/irritation: no data available

Serious eye damage/eye irritation: no data available

Respiratory or skin sensitization: no data available

Germ cell mutagenicity: no data available

Carcinogenicity: no data available

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

Potential health effects

Inhalation May be harmful if inhaled. May cause respiratory tract irritation, headaches, dizziness, and possibly other central nervous system effects.

Ingestion May be harmful if swallowed. Stomach irritation, nausea, vomiting, and diarrhea. In humans overexposure causes liver abnormalities, kidney damage, and central nervous system effects.

Skin May cause skin irritation and possibly dermatitis.

Eyes Dust or fumes may cause eye irritation.

SECTION 12 — ECOLOGICAL INFORMATION

Eco-toxicity Data: No data

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.

SECTION 14 — TRANSPORT INFORMATION

Not regulated by DOT.

SECTION 15 — REGULATORY INFORMATION

CERCLA Reportable quantity: no data

SARA Title III:

Section 302 Extremely hazardous substances: no data

Section 311/312 Hazardous categories: no data

Section 313 Toxic chemicals: ethylene glycol

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.
