

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND CONTACT INFORMATION

Product Name: Diamond Spray (Diamond Slurry)

AM0500, AM0501, AM0502, AM0503, AM0504, AM0505, AM0506, AM0507, AM0508

Alpha Resources, Inc.
P.O. Box 199
Stevensville, MI 49127
Phone: 269-465-5559

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Approx %	Reg * (Y/N)	CAS #	PEL (mg/m ³)	TLV (mg/m ³)	Carcin (Y/N)
Alcohol Alkylamine	1 – 20	N	N/A	NE	NE	N
Monoethanol Amine**	1 – 10	Y	141-43-5	3	3	N
Water	70 – 90	N	7732-16-5	NONE	NONE	N
Diamond	0.2 - 0.5	N	7782-40-3	10	10	N

NE = Not Established

* Materials are regulated by OSHA 29 CFR 1910.1200. Hazardous Communication Standard

** Subject to EPA section 313 reporting SARA 40 CFR Part 372

All Ingredients are listed under TSCA

3. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: 120 C

FREEZE-MELT POINT: 32 F (0 C)

VAPOR PRESSURE: Water

VAPOR DENSITY: N/A

SOLUBILITY IN WATER: 100%

SOLUBILITY IN ALCOHOL: N/A

SOLUBILITY IN SOLVENTS: N/A

SPECIFIC GRAVITY: 1.05

APPEARANCE & ODOR: Milky liquid, little odor

PERCENT VOLATILES: 100

EVAPORATION RATE: Water

4. FIRE AND EXPLOSIVE HAZARDS

FLAMMABLE PROPERTIES

Non-flammable

Flash Point: Not available

Flammable Limits: (% by Volume in Air): Lower: N/A Upper: N/A

AUTO-IGNITION TEMPERATURE: N/A

HAZARDOUS COMBUSTION PRODUCTS: Not available.

EXTINGUISHING MEDIA: N/A

FIREFIGHTING INSTRUCTIONS: No special procedures or unusual hazards.

5. HEALTH, FIRST AID AND MEDICAL DATA

ENTRY ROUTE	ACUTE AND CHRONIC HEALTH AND OVEREXPOSURE EFFECTS	FIRST AID AND MEDICAL INFORMATION
Inhalation:	Irritation; cough	Remove to fresh air.
Ingestion:	Irritation to digestive system	Give two glasses of water, induce vomiting. Call a doctor.
Skin contact:	Chronic: May cause dermatitis	Wash with soap and water.
Eye:	Irritation	Flush with water.

6. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable
POLYMERIZATION: Will not occur.
INCOMPATIBILITY: None.
HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO₂.
CONDITIONS TO AVOID: Boiling.

7. HANDLING, STORAGE AND USE PRODECURES

HANDLING AND STORAGE: Keep tightly closed. Do not boil or freeze. Store below 120F. Avoid flames and smoking.
NORMAL USE: Deep PEL?TLV below recommended limits. See ONSH 236CFR 1910.94 (ventilation) and 29 CFR1910.1000 (air contaminants).
STEPS TO BE TAKEN IN CASE OF LEAKS OR SPILLS: May be slippery, spread granular cover. Do not put in sewer. May biodegrade. Avoid overloading plant biomass.
WASTE DISPOSAL METHOD: Comply with federal, state and local regulations.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Adequate ventilation to reduce levels of air contaminant below that which may cause personal injury or illness. Local and mechanical ventilation are both recommended.
RESPIRATORY PROTECTION: NIOSH/MSHA approved respirator when PEL/TLF are exceeded. SKIN AND HAND PROTECTION: Chemically resistant gloves.
EYE AND FACE PROTECTION: Chemical splash goggles or face mask.

9. SPECIAL PRECAUTIONS

PRECAUSTIONS TO BE TAKEN IN HANDLING AND STORAGE: See Above

OTHER PRECAUSTIONS: Prevent vapor buildup in closed spaces.

10. OTHER INFORMATION

Hazard Index: (0-4, 4=Extreme)
HEALTH: 2 Fire: 0 Reactivity: 0

SUPPLEMENTAL INFORMATION

The data and information as stated was furnished by the manufacturer/vendor &/or 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.

Date Prepared: January 14, 2013
Prepared by: Ken Mantei