

# Material Safety Data Sheet

## SECTION I

PRODUCT NAME OR NUMBER (AS IT APPEARS ON LABEL):

Alpha Diamond Spray  
AM0502, AM0503, AM0504, AM0505, AM0506, AM0507, AM0508

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

MANUFACTURER'S DUNNS NO. 08 383 8045

HAZARDOUS MATERIAL DESCRIPTION, PROPER SHIPPING NAME, HAZARD  
CLASSES, HAZARD ID NO:

Diamond spray

CHEMICAL FAMILY: inhibited ethylene glycol

FORMULA: C2 H6 O2

## SECTION II - INGREDIENTS (LIST ALL INGREDIENTS)

CAS REGISTRY NO.	%W	%V	CHEMICAL NAMES	LISTED AS A CARCINOGEN IN NTP, IARC OR OSHA 1910(Z) SPECIFY
107-21-1	N/A	N/A	Ethylene glycol	N

each four ounce bottle has between 5 carats and 10 carats of premium virgin synthetic diamond powder, varying with the size or grade of micron.

## SECTION III - PHYSICAL DATA

Boiling point: 334 deg. f      SPECIFIC GRAVITY = N/A  
(WATER = 1)

% Volatile by volume: none

Vapor pressure: less than 0.1

Percent solid(s) by weight % = N/A

Vapor density (air = 1): 2.1

Evaporation rate: less than 1

Solubility in water: 100      pH N/A

Melting point: N/A

Material is Liquid

Appearance and odor: fluid with mild odor, color keyed to micron size

#### SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash point: 242 deg. f tag open cup, 220 deg f Pensky-Martens closed cup

Flammable limits: LEL: 3.2 UEL: 15.3

Extinguishing media: Apply alcohol type or all-purpose type foams by manufacturers' recommended techniques for large fires. Use water spray, carbon dioxide or dry chemical media for small fires.

Special fire fighting procedures: Do not spray pool fires directly. A solid stream of water or foam directed into hot, burning liquid can cause frothing. Use self-contained breathing apparatus and protective clothing.

Unusual fire and explosion hazards: none

#### SECTION V HEALTH HAZARD DATA

Threshold Limit Value: N/A

Permissible exposure limit: N/A

Other limit: N/A

Effects of overexposure:

Swallowing - may cause abdominal discomfort or pain, dizziness, malaise, lumbar pain, oliguria, uremia, and central nervous system depression. Severe kidney damage follows the swallowing of large volumes of ethylene glycol. May be fatal

Inhalation - may cause irritation of the nose and throat with headache, particularly from mists. High vapor concentrations caused, for example, by heating the material in an enclosed and poorly ventilated workplace may produce nausea, vomiting, headache and dizziness.

Eye contact - liquid vapor and ist may cause discomfort in the eye with transient conjunctivitis. Serious corneal injury is not anticipated.

Inhalation of mist may produce signs of central nervous system involvement, particularly dizziness and nystagmus if overexposure is repeated. Constant use resulting in repeated incidents of skin contact may cause skin sensitization and an associated dermatitis in some individuals.

A knowledge of the available toxicology information and of the physical and chemical properties of the material suggest that overexposure is unlikely to aggravate existing medical conditions.

Primary routes of entry: Inhalation Skin Contact

Emergency and first aid procedures:

Swallowing - if conscious, drink two glasses of water and induce vomiting. Call a physician.

Skin - Remove contaminated clothing and flush with water.

Inhalation - Remove to fresh air. Call doctor.

Eyes - Immediately flush with water. Continue washing eyes for several minutes.

## SECTION VI REACTIVITY DATA

Stability: stable                      Conditions to avoid: Normally unreactive; however avoid strong bases at high temperatures, strong acids, strong oxidizing agents and materials reactive with hydroxyl compounds

Incompatibility: (material to avoid) see above

Hazardous decomposition products: Burning may produce carbon monoxide and/or carbon dioxide

Hazardous polymerizations: will not occur

Conditions to avoid: N/A

## SECTION VII SPILL OR LEAK PROCEDURE

Steps to be taken in case material is released or spilled: Wear suitable protective equipment. Small spills should be flushed with large quantities of water. Larger spills should be collected for disposal.

Waste disposal: Incinerate in a furnace where permitted under appropriate federal, state, or local regulations. At very low concentration in water, ethylene glycol is readily biodegradable in a biological wastewater treatment plant.

Comply with state, federal, and local regulations.

Reportable quantities in lbs.:

CERCLA N/A              SARA N/A              OTHER N/A

RCRA hazardous waste number(s): N/A

Volatile organic compounds (VOC) (as packaged minus water).

Theoretical (lbs/gal): N/A              Analytical (lbs/gal): N/A

## SECTION VIII SPECIAL PROTECTION

Eye protection: Monogoggles/face shield

Skin protection: rubber gloves

Respiratory protection: NIOSH approved breathing air equipment or NIOSH approved face mask with organic vapor cartridge and dust or mist pre-filter. (Not for use in fire fighting or in atmosphere with reduced oxygen content.

Ventilation Local Exhaust (specify rate): N/A

Special: N/A

Requirements Mechanical (General) (Specify rate): General mechanical room ventilation will be adequate if handled at ambient temperatures or in covered equipment. If ambient temperatures are exceeded or operations exist which produce misting, local exhaust ventilation is needed.

Other: N/A

Other: N/A

## SECTION IX - SPECIAL PRECAUTIONS

Precautions to be taken in handling and storing and/or other precautions:

Eye bath and safety shower.

## 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: May 3, 2009

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