

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND CONTACT INFORMATION

Product Name: Diamond Compound

AM0865, AM0866, AM0867, AM0875, AM0876, AM0877, AM0878, AM0868, AM0887, AM0888, AM0889, AM0890, AM0892, AM0893, AM0894, AM0895, AM0896, AM0897, AM0898, AM0899, AM0891, AM0906, AM0907, AM0908, AM0909, AM0910, AM0911, AM0916, AM0917, AM0918, AM0919

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

2. COMPOSITION/INFORMATION ON INGREDIENTS

CAS NO.	%W	CHEMICAL NAMES	OSHA PEL (mg/m3)	ACGIH TLV (mg/m3)	NIOSH TWA (mg/m3)
9039-95-3	30-50	Polyalkylene Glycol	None	None	N/A
25322-68-3	46-60	Polyethylene Glycol	None Est.	None Est.	N/A
112945-52-5	5-15	Silica Amorphous*	6	10	N/A
7782-40-3	1-8	Diamond	10	10	N/A

*Materials are regulated by OSHA 29 CFR1910-1200. Hazard Communication Standard
All ingredients are listed under TSCA

3. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Translucent, low odor
BOILING POINT: >200 C
FREEZE-MELT POINT: -50 C
VAPOR PRESSURE: Nil.
VAPOR DENSITY: N/A
SOLUBILITY IN WATER: Soluble
SOLUBILITY IN ALCOHOL: Soluble
SOLUBILITY IN SOLVENTS: Oxygenated Solvent
SPECIFIC GRAVITY: 1.2
ODOR: None
PERCENT VOLATILES: 0
EVAORATION RATE: N/A

4. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

Flash Point: 100 C (METHOD USED)PMCC; COC
Flammable Limits: (% by Volume in Air): Lower: .5 Upper: .5

AUTO-IGNITION TERMERATURE: N/A
HAZARDOUS COMBUSTION PRODUCTS: N/A.
EXTINGUISHING MEDIA: N/A

FIREFIGHTING INSTRUCTIONS: No special procedures.

5. HEALTH, FIRST AID AND MEDICAL DATA

POTENTIAL HEALTH EFFECTS

EYES: Moderate to severe irritation.

SKIN: Abrasive, may cause temporary skin irritation.

INHALATION: Acute – May irritate respiratory tract. Chronic – Cough may reduce lung capacity.

INGESTION: Irritating to the gastrointestinal tract.

CARCINOGENICITY: None.

FIRST AID MEASURES

EYES: Flush with large amounts of water. Get medical attention if irritation persists.

INHALATION: Obtain medical attention.

SKIN: Wash skin and hands with soap and water. Get medical attention if irritation persists.

INGESTION: Obtain medical attention.

6. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable.

INCOMPATIBILITY: Low reactivity, avoid strong bases

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Monoxide, Carbon Dioxide

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO BE AVOIDED: N/A

7. HANDLING, STORAGE AND USE PROCEDURES

HANDLING and STORAGE: Avoid open flames. Strong bases and acids and temperatures above 100C. Keep mist and dust levels below PEL/TLV.

NORMAL USE: When mist is generated, keep below recommended PEL/TLF levels or use appropriate respirators. See OSH 29 CFR1910.1000 and 29 CFR1910.94

SMALL/LARGE SPILL: Small spills, flush with water. Large spills, collect.

WASTE DISPOSAL METHOD: Dispose of in accordance with local, state and federal laws.

8. PERSONAL PROTECTION INFORMATION

ENGINEERING CONTROLS: Local ventilation recommended if dust level exceeds PEL limit.

RESPIRATORY PROTECTION: As needed, see OSHA 29 CFR 1910.34

SKIN AND HAND PROTECTION: PVC coated gloves.

EYE AND FACE PROTECTION: Safety glasses or goggles.

OTHER PROTECTIVE EQUIPMENT: Eye bath and shower available.

9. OTHER INFORMATION

Hazard Index: (0-4, 4= Extreme)

Health: 1 Fire: 1 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.

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Prepared by: Scot Burns