

# MATERIAL SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND CONTACT INFORMATION

Product Name: Diamond Slurry

AM1010, AM1012, AM1014, AM1016, AM1018, AM1020

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## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Approx %	Reg * (Y/N)	CAS #	PEL (mg/m <sup>3</sup> )	TLV (mg/m <sup>3</sup> )	Carcin (Y/N)
Alcohol Alkylamine	0.1 - 5	N	N/A	NE	NE	N
Water	70 - 90	N	7732-16-5	NONE	NONE	N
Diamond	0.2 - 2	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

Product formulation is proprietary.

No ingredients are known to be hazardous under normal usage.

## 3. HAZARD IDENTIFICATION

### POTENTIAL HEALTH EFFECTS

EYES: May causes irritation.

SKIN: repeated or prolonged skin contact may cause irritation.

INHALATION: Vapor and mist may irritate nose and throat. Prolonged inhalation may cause dizziness.

INGESTION: May cause gastrointestinal irritation. Nausea and vomiting may occur.

ROUTES OF ENTRY: Inhalation at high temperatures, eye contact, skin contact.

TARGET ORGANS: Respiratory passages at high temperatures, eyes, skin.

CHRONIC OVEREXPOSURE: Prolonged inhalation may adversely affect respiratory function.

MEDICAL CONDITIONS AGGRAVATED: Individuals with pre-existing skin disorders or eye problems or impaired liver or kidney function may be more susceptible to the effects of chemical. .

CARCINOGENICITY: IARC, NTP and OSHA do not list this product or its ingredients as carcinogens.

## 4. FIRST AID MEASURES

EYES: Flush thoroughly with water for at least 15 minutes. Get immediate medical attention.

INHALATION: If symptoms develop, remove affected person from source of exposure into fresh air. Get immediate medical attention. If person is not breathing, give artificial res.

SKIN: Remove contaminated clothing and shoes. Wash exposed area with soap and water. Get medical attention if symptoms persist.

INGESTION: Get immediate medical attention. Do not induce vomiting unless instructed to do so by a physician. Give large quantities of water or milk.

## 5. FIRE FIGHTING MEASURES

## FLAMMABLE PROPERTIES

Flammable

Flash Point: N/A

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

AUTO-IGNITION TEMPERATURE: N/A

HAZARDOUS COMBUSTION PRODUCTS: Specific to type of material involved in fire.

EXTINGUISHING MEDIA: Use water spray, foam, dry chemical or CO<sub>2</sub>.

FIREFIGHTING INSTRUCTIONS: Wear NIOSH approved positive pressure self-contained breathing apparatus with full protective clothing. Do not release runoff from fire control methods to sewers or waterways.

FIRE-FIGHTING EQUIPMENT: Fire may produce toxic thermal decomposition products. Wear a self-contained breathing apparatus (SCBA) with a full face-piece operated in pressure-demand or positive-pressure mode.

## 6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Isolate area and deny entry. Ventilate area of leak or spill. Small spill can be picked up with vermiculite or other absorbent, noncombustible material. Properly protected personnel should flush spill with plenty of water, taking care not to splash personnel.

LARGE SPILL: Notify appropriate personnel and implement facility emergency response plan. Evacuate nonessential personnel, isolate area, provide maximum ventilation. Cleanup personnel should wear fully protective equipment for vapor inhalation and skin and eye contact.

CONTAINMENT: For large spills, dike far ahead of liquid spill for later disposal. Do not release directly into sewers or waterways. Wash walking surfaces thoroughly to reduce slipping hazard.

CLEANUP: Absorb spilled liquid with non-reactive absorbent material. Place clean-up material in appropriate disposal containers and dispose of according to local state and federal requirements.

REGULATORY REQUIREMENT: Any release to the environment of this product may be subject to federal, state and /or local reporting requirements. Check with appropriate agencies.

## 7. HANDLING AND STORAGE

HANDLING: Exercise ordinary care in handling industrial lubricants. Avoid contamination of cigarettes or other tobacco products. Wash hands thoroughly before eating or smoking. Remove contaminated clothing and wash before reuse.

Users should be alert to the possibility that very small percentages of the population may display unexpected allergic reactions to otherwise innocuous industrial lubricants and raw materials.

STORAGE: Do not store in open or unlabeled containers. Store in well ventilated, properly drained/contained site, away from heat out of the sun and away from combustibles and reactive chemicals. Use only approved containers and protect containers from damage and keep material from freezing. Keep container tightly closed. Store in a cool dry place away from sources of ignition.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Local ventilation is generally not necessary under normal conditions of use with adequate general ventilation. Ventilation and other forms of engineering controls are the preferred means for controlling chemical exposures.

RESPIRATORY PROTECTION: Avoid breathing in mist. Respiratory protection is generally not necessary under normal conditions of use with adequate general ventilation.

**SKIN AND HAND PROTECTION:** Avoid skin contact. Wear chemical protective gloves. Depending upon conditions of use, additional protection may be necessary such as a face shield, apron, etc.

**EYE AND FACE PROTECTION:** Avoid eye contact. Wear safety glasses or chemical goggles in accordance with OSHA 29 CFR 1910.133.

**SAFETY STATIONS:** Make emergency eyewash stations, safety/quick-drench showers and washing facilities available in work area.

**OTHER PRECAUTIONARY INFORMATION:** Never eat, drink or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking using the toilet or applying cosmetics.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

**APPEARANCE:** cloudy liquid solution. Dye coloring may be used. It is not unusual to see the following colors: Yellow, Orange, Green, Blue, Red, Brown, Black. Faint odor.

**BOILING POINT:** > 100C

**FREEZE-MELT POINT:** N/A

**VAPOR PRESSURE:** Negligible

**VAPOR DENSITY:** Not determined.

**SOLUBILITY IN WATER:** Soluble

**ORGANIC SOLVENT SOLUBILITY:** Insoluble.

**SPECIFIC GRAVITY:** .098 – 1.01

**pH:** 8 – 9.5

**ODOR:** Hydrocarbon/petroleum odor

**Auto Ignition Temperature:** N/A

**EVAPORATION RATE:** Water

## **10. STABILITY AND REACTIVITY**

**CHEMICAL STABILITY:** Stable at room temperature in closed containers under normal storage and handling conditions.

**INCOMPATIBILITY:** Strong oxidizing materials, hypochlorites, chlorine.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Steam, CO<sub>2</sub>, CO and unidentified organic compounds in fumes and smoke may be formed during combustion. .

**HAZARDOUS POLYMERIZATION:** None.

**CONDITIONS TO AVOID:** Strong acids and bases. Heat source.

## **11. TOXICOLOGICAL INFORMATION**

None available.

## **12. ECOLOGICAL INFORMATION**

**ECOTOXICITY:** This product is bio-degradable.

**SOIL ABSORPTION/MOBILITY:** Not available.

**DEGRADABILITY:** Biodegradable.

**ENVIRONMENTAL FATE AND EFFECTS:** Not available.

## **13. DISPOSAL CONSIDERATION**

**DISPOSAL:** Contact a licensed waste-disposal contractor for detailed recommendations. Follow applicable Federal, State and Local regulation.

CONTAINER DISPOSAL: Rinse three times with an appropriate solvent or water. Dispose or recycle the empty container.

DISPOSAL REGULATORY REQUIREMENTS: Many states classify waste lubricants as "hazardous", which means disposal only by a licensed firm. Follow applicable Federal, state and local regulations.

#### **14. TRANSPORTATION INFORMATION**

Not Regulated.

#### **15. REGULATORY INFORMATION**

##### US FEDERAL REGULATIONS

TSCA STATUS: All components are on Toxic Substance Control Inventory

CERCLA Reportable Quantity: None

RCRA Status: Not regulated

##### SARA TITLE III:

Section 302 Extremely Hazardous Substances: None

Section 311/312 Hazardous Categories: None

Section 313 Toxic Chemicals: None

OSHA Regulations: None

#### **16. OTHER INFORMATION**

##### 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 11, 2013

Prepared by: Ken Mantei