

# MATERIAL SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND CONTACT INFORMATION

Product Name: Aluminum Oxide (Alumina)

AR 426, AR 427, AR2188, AR01008, AR01008-200, AM0786, AM0787, AM0782, AM0783, AM0778, AM0779

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## 2. COMPOSITION/INFORMATION ON INGREDIENTS

CAS NO.	%W	CHEMICAL NAMES	OSHA PEL (mg/m3)	ACGIH TLV (mg/m3)	NIOSH TWA (mg/m3)
1344-28-1	100	Aluminum Oxide	10 (dust)	10	N/A

## 3. HAZARD IDENTIFICATION

### POTENTIAL HEALTH EFFECTS

EYES: May cause eye irritation.

SKIN: May cause skin irritation.

INHALATION: Spray mist or dry dust may cause physical irritation to upper respiratory tract. In dry form this material is a nuisance dust and as such does not product significant organic disease or toxic effect with reasonable exposures.

INGESTION: Not hazard.

CHRONIC OVEREXPOSURE: Prolonged exposure can affect lung functions. .

ACUTE OVEREXPOSURE: Not available.

MEDICAL CONDITIONS AGGRAVATED: Persons with chronic respiratory or dermatological disorders may be at increased risk from exposure. .

CARCINOGENICITY: None.

## 4. FIRST AID MEASURES

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

INHALATION: Removed from exposure to fresh air immediately. Get medical attention

SKIN: Wash skin with plenty of soap and water. If irritation occurs, seek medical aid.

INGESTION: Not normal route of exposure. No known effects. Seek medical advice.

## 5. FIRE FIGHTING MEASURES

### FLAMMABLE PROPERTIES

Non-flammable

Flash Point: Not available

Flammable Limits: (% by Volume in Air): Lower: None Upper: None

AUTO-IGNITION TEMPERATURE: N/A

HAZARDOUS COMBUSTION PRODUCTS: Not available.

EXTINGUISHING MEDIA: Water.

FIREFIGHTING INSTRUCTIONS: No special procedures or unusual hazards.

## **6. ACCIDENTAL RELEASE MEASURES**

SMALL/LARGE SPILL: Flush with water to chemical sewer.

## **7. HANDLING AND STORAGE**

HANDLING: Keep tightly closed.

STORAGE: Keep tightly closed. Avoid direct sunlight during prolonged storage.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

ENGINEERING CONTROLS: Adequate ventilation to reduce air contaminant below that which may cause personal injury or illness.

RESPIRATORY PROTECTION: NIOSH/MSHA approved respirator where spray mist may occur.

SKIN AND HAND PROTECTION: Rubber or neoprene gloves.

EYE AND FACE PROTECTION: Chemical splash goggles.

OTHER PROTECTIVE EQUIPMENT: Barrier cream recommended for persons with unusual skin sensitivity.

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

APPEARANCE: white solid

BOILING POINT: 212 F (100 C)

FREEZE-MELT POINT: 32 F (0 C)

VAPOR PRESSURE: N/A

VAPOR DENSITY: N/A

SOLUBILITY IN WATER: solids have negligible solubility.

SPECIFIC GRAVITY: 1.2

pH: N/A

ODOR: None

PERCENT VOLATILES: N/A

EVAPORATION RATE: <1.2

## **10. STABILITY AND REACTIVITY**

CHEMICAL STABILITY: Stable

INCOMPATIBILITY: incompatible with hot chlorinated rubber.

HAZARDOUS DECOMPOSITION PRODUCTS: None.

HAZARDOUS POLYMERIZATION: None.

## **11. TOXICOLOGICAL INFORMATION**

This specific material has not been tested.

## **12. ECOLOGICAL INFORMATION**

None available.

## **13. DISPOSAL CONSIDERATION**

Dispose of in accordance with federal, state and local regulations.

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

USA DOT: Not regulated

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

US FEDERAL REGULATIONS

TSCA STATUS: On toxic Substance Control Inventory

CERCLA Reportable Quantity: None

RCRA Status: Not available

SARA TITLE III:

Section 302 Extremely Hazardous Substances: None

Section 311/312 Hazardous Categories: Chronic

Section 313 Toxic Chemicals: Aluminum Oxide (Fibrous Forms only)

CANADAIN REGULATIONS

WHMIS: Classified D2B

#### **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

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