

# MATERIAL SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND CONTACT INFORMATION

Product Name: N Catalyst

AR 049

Alpha Resources, Inc.  
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## 2. COMPOSITION/INFORMATION ON INGREDIENTS

CAS NO.	%W	CHEMICAL NAMES	OSHA PEL (mg/m3)	ACGIH TLV (mg/m3)
1344-28-1	>99	Alumina	15 (total) 5 (resp)	10 (Total) 5 (resp)

## 3. HAZARD IDENTIFICATION

### POTENTIAL HEALTH EFFECTS

EYES: May cause watering of the eyes.

SKIN: May cause drying of the skin.

INHALATION: May cause coughing and/or irritation.

INGESTION: Not available.

CHRONIC OVEREXPOSURE: Not available.

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 for at least 15 minutes. Get medical attention if irritation persists.

INHALATION: Removed to fresh air. Get medical attention if breathing has stopped.

SKIN: Wash skin with plenty of soap and water. If condition persists, get medical attention.

INGESTION: Give water or fluids. If condition persists, get medical attention.

## 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, Carbon Dioxide, dry chemical, foam. Use extinguishing agent suitable for surrounding material.

FIREFIGHTING INSTRUCTIONS: Wear recommended protective equipment.

## **6. ACCIDENTAL RELEASE MEASURES**

SMALL/LARGE SPILL: Sweep up with a minimum of dusting – wear protective equipment.

## **7. HANDLING AND STORAGE**

HANDLING: Nothing special.

STORAGE: Keep container closed.

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

ENGINEERING CONTROLS: Local exhaust.

RESPIRATORY PROTECTION: High efficiency particulate respirator.

SKIN AND HAND PROTECTION: Recommended.

EYE AND FACE PROTECTION: Dust proof goggles.

OTHER PROTECTIVE EQUIPMENT: None required.

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

APPEARANCE: Gray/black solid

BOILING POINT: 5696 F (3147 C)

FREEZE-MELT POINT: 3762 F (2072 F)

VAPOR PRESSURE: 1 @3916 F (2157 C)

VAPOR DENSITY: N/A

SOLUBILITY IN WATER: Insoluble.

SPECIFIC GRAVITY: 4.0

pH: N/A

ODOR: None

PERCENT VOLATILES: N/A

EVAPORATION RATE: N/A

## **10. STABILITY AND REACTIVITY**

CHEMICAL STABILITY: Stable.

INCOMPATIBILITY: Hot chlorinated rubber.

HAZARDOUS DECOMPOSITION PRODUCTS: Not available.

HAZARDOUS POLYMERIZATION: None.

## **11. TOXICOLOGICAL INFORMATION**

Not available.

## **12. ECOLOGICAL INFORMATION**

None available.

## **13. DISPOSAL CONSIDERATION**

Dispose of in accordance with federal, state and local regulations. Cleanup personnel should wear respirators and protective clothing. .

#### **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 regulated

##### 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: Not regulated

#### **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.

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