

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND CONTACT INFORMATION

Product Name: Platinized Silica Catalyst

AR 912

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2. COMPOSITION/INFORMATION ON INGREDIENTS

CAS NO.	%W	CHEMICAL NAMES	OSHA PEL (mg/m3)	ACGIH TLV (mg/m3)
63231-67-4	99	Silica Gel, amorphous	6	10
7440-06-4	1	Platinum	1	1

3. HAZARD IDENTIFICATION

POTENTIAL HEALTH EFFECTS

EYES: May cause eye irritation from dust exposure.

SKIN: May cause skin irritation.

INHALATION: May cause drying of mucous membranes and respiratory tract irritation

INGESTION: No adverse effects expected.

CHRONIC OVEREXPOSURE: May cause irritation.

ACUTE OVEREXPOSURE: Not available.

MEDICAL CONDITIONS AGGRAVATED: See above.

CARCINOGENICITY: None.

4. FIRST AID MEASURES

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

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

SKIN: Flush skin with water. If irritation develops, contact a physician.

INGESTION: Seek medical attention if large quantities of material have been ingested.

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: May release flammable gases.

EXTINGUISHING MEDIA: Material will not burn. Use media appropriate for surrounding fire.

FIREFIGHTING INSTRUCTIONS: Not a fire or explosion hazard. However, contact with methanol or ethanol may cause a vigorous reaction, releasing flammable gases with a large amount of heat and a possible explosion.

6. ACCIDENTAL RELEASE MEASURES

SMALL/LARGE SPILL: Vacuum or scoop the spilled material into a container for reclamation or disposal. Proper exposure controls and personal protection equipment should be used and dispose in accordance with guidelines in Section 13.

7. HANDLING AND STORAGE

HANDLING: Wash thoroughly after handling. Avoid generating or breathing dust. Avoid contact with eyes or skin.

STORAGE: Keep container closed. Store in a cool, dry location away from incompatible materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: General, local exhaust ventilation as necessary to contain air pollutants below PELs or TLVs.

RESPIRATORY PROTECTION: NIOSH respirator if exposure above the PEL or TLV.

SKIN AND HAND PROTECTION: Gloves.

EYE AND FACE PROTECTION: Safety glasses with side shields.

OTHER PROTECTIVE EQUIPMENT: None.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: light gray/black pellets

BOILING POINT: N/A

FREEZE-MELT POINT: >3092 F (1700 C)

VAPOR PRESSURE: N/A

VAPOR DENSITY: N/A

SOLUBILITY IN WATER: Insoluble.

SPECIFIC GRAVITY: 2.1-2.2

pH: N/A

ODOR: None

PERCENT VOLATILES: N/A

EVAPORATION RATE: N/A

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable.

INCOMPATIBILITY: Fluorine or Chlorine containing compounds, particularly HF. Avoid strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: May release flammable gases in reaction with methanol or ethanol.

HAZARDOUS POLYMERIZATION: None.

11. TOXICOLOGICAL INFORMATION

None reported.

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 regulated

SARA TITLE III:

Section 302 Extremely Hazardous Substances: None

Section 311/312 Hazardous Categories: Chronic

Section 313 Toxic Chemicals: None

CANADAIN REGULATIONS

WHMIS: Not regulated

16. OTHER INFORMATION

HAZARD INDEX (0-4, 4=EXTREME)

HEALTH: 1 FIRE: 0 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: Ken Mantei