

Alpha Resources Inc.

Safety Data Sheet (SDS)

Revision Date: April 9, 2015

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Platinum Silica Catalyst

AR911, AR912, AR912B

This product is intended for laboratory use.

Alpha Resources Inc. 3090 Johnson Rd. Stevensville, MI 49127 (269)465-5559

CHEMTREC Emergency Phone Number: (800) 424-9300

Signal Word: WARNING

SECTION 2— HAZARDS IDENTIFICATION



Hazard Category: Acute toxicity, dermal (Category 5), specific target organ toxicity, single exposure; respiratory tract irritation (Category 3), and sensitization, skin (Category 1).

Hazard Statements: May be harmful if in contact with skin (H313), may cause allergic skin reaction (H317), and may cause respiratory irritation (H335).

Precautionary statements: Avoid breathing dust/fume/gas/mist/vapors/spray (P261), use only outdoors or in a well ventilated area (P271), wear protective gloves (P280), and contaminated work clothing should not be allowed out of workplace (P272).

SECTION 3— COMPOSITION, INFORMATION ON INGREDIENTS

Hazardous substance required for disclosure.

Component	CAS #	Common %
Silica Gel, amorphous	63231-67-4	<100
Platinum	7440-06-4	<2

As per paragraph (i) of 29 CFR 1910.1200, formulation is considered a trade secret and specific chemical identity and exact percentage of composition may have been withheld. Specific chemical identity and exact percentage composition will be provided to health professionals, employees, or designated representatives in accordance with applicable provision of paragraph (i).

SECTION 4— FIRST AID MEASURES

If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P340). Seek medical attention. Could cause drying of mucous membranes.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing (P305+P351+P338). **If eye irritation persists:** Get medical advice or attention (P337+P313).

If on skin: Wash with plenty of water. (P302+P352). If persists seek medical attention and bring label.

If swallowed: Wash out mouth with water if the person is able to do so. Call a doctor or poison center.

SECTION 5 — FIRE FIGHTING MEASURES

Non-flammable

Appropriate Extinguishing Media: Use regular dry chemical or water spray for surrounding area. Material will not burn.

Specific Hazards Arising from Chemical: N/A

Fire Fighting Instructions: Not flammable or explosive. If in contact with methanol or ethanol could cause a reaction that could release flammable gas with a large amount of heat and a possibility for an explosive reaction.

Hazardous combustion products: When heated might emit flammable gases.

Flash Point: none

Auto-ignition temperature: none

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use suitable personal protective equipment when cleaning up any spills.

Clean-up Method: Collect the material and dispose of according to local, regional, state, and federal regulations. Using damp cloth wipe up spill area. Avoid dust generation.

SECTION 7 — HANDLING AND STORAGE

Handling: Avoid any contact with bare skin, clothing, and eyes. Wash all areas after handling material. Proper ventilation is required when using this product. Keep dust formation and inhalation to a minimum.

Storage: This product should be stored in a cool, dry place and kept sealed (P233) when not in use.

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Exposure Limit Values:

Silica Gel, amorphous (CAS# 63231-67-4) OSHA (PEL); 6mg/m³ ACGIH (TLV); 10mg/m³

Platinum (CAS# 7440-06-4) OSHA (PEL); 1mg/m³ ACGIH (TLV); 1mg/m³

Engineering Controls: Proper ventilation must be available to be certain exposure limits are not exceeded.

Personal Protection: Wear a NIOSH applicable certified respirator to limit exposure to materials.

Hand Protection: Glove suitability will differ depending on the end use of product.

Eye protection: Safety glasses with side shields are necessary if splashing is possible. Eye wash station should be in close proximity to work area. Safety shower should also be nearby.

Skin and Body Protection: Chemical and oil resistant clothing are recommended for extended periods of contact.

Hygiene: Wash hands and areas of possible exposure after handling material especially before eating, drinking, and smoking. The work clothing should also be washed regularly to remove any contaminants. Dispose of contaminated clothing that can't be deemed safe.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Note: Physical and chemical properties are provided for safety, health, and environmental considerations only and may not represent the products specifications. Contact supplier for additional information.

Appearance: light gray to black granules/powder	Odorless	Specific Gravity: 2.1-2.2
Melting Point: >1700°C	Relative Density: N/A	Vapor Density: N/A
Vapor pressure: N/A	Solubility: Insoluble in water	Boiling Point: 2977°C
Explosive limits, LEL (vol.%): N/A	Explosive limits, UEL (vol.%): N/A	Evaporation rate: N/A

SECTION 10 — STABILITY AND REACTIVITY

Stable material at normal laboratory conditions.

Avoid: Keep away from incompatible materials and moisture.

Incompatible: Strong oxidizers, fluorine, or fluorine containing compounds (HF)

Hazardous Decomposition: If a reaction occurs with methanol or ethanol, flammable gases could be released.

Hazardous Polymerization: None

SECTION 11 — TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity: no data available

Skin corrosion/irritation: no data available

Serious eye damage/eye irritation: no data available

Respiratory or skin sensitization: no data available

Germ cell mutagenicity: no data available

Carcinogenicity: N/A

Reproductive toxicity: no data available

Specific target organ toxicity - single exposure: no data available

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard: no data available

Potential health effects

Inhalation May be harmful if inhaled. May cause respiratory tract irritation and drying of mucous membranes.

Ingestion May be harmful if swallowed.

Skin May cause skin irritation.

Eyes May cause eye irritation.

SECTION 12 — ECOLOGICAL INFORMATION

Eco-toxicity Data: No data

Mobility in Soil: No data

Bio-accumulative Potential: No data

Persistence and Degradability: No data

SECTION 13 — DISPOSAL CONSIDERATIONS

Waste disposal should be done in compliance with existing federal, state and local environmental regulations. Do not contaminate any streams, lakes, or ponds.

SECTION 14 — TRANSPORT INFORMATION

Not regulated for land/air/sea transport by DOT/TDG/IMDG/IATA

SECTION 15 — REGULATORY INFORMATION

U.S. Regulations:

CERCLA Sections 102a/103 (40 CFR 302.4): Not regulated.

SARA Title III Section 302 (40 CFR 355.30): Not regulated.

SARA Title III Section 304 (40 CFR 355.40): Not regulated.

SARA Title III Section 313 (40 CFR 372.65): Not regulated.

OSHA Process Safety (29 CFR 1910.119): Not regulated.

SARA Title III Sections 311/312 Hazardous Categories (40 CFR 370.21):

ACUTE HEALTH: Yes

CHRONIC HEALTH: No

FIRE: No

REACTIVE: No

PRESSURE: No

U.S. TSCA Inventory: Listed

Canadian Regulations: WHMIS Information is not provided for this material

SECTION 16 — OTHER INFORMATION

The data and information as stated was furnished by the manufacturer/vendor/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.