

# MATERIAL SAFETY DATA SHEET

For R&D use only. Not for drug, household or other uses.

Click <http://www.lookchem.com/cas-742/7429-90-5.html> for suppliers of this product.

## Composition/Information on Ingredient

### Cas:

7429-90-5

### Code:

M

### RTECS:

BD0330000

### Code:

M

### Name:

ALUMINUM (SARA III)

### Other REC Limits:

N/K

### OSHA PEL:

15MG/M3 DUST/5 FUME

### Code:

M

### OSHA STEL:

### Code:

### ACGIH TLV:

10MG/M3 DUST; 9192

### Code:

M

### ACGIH STEL:

N/P

### Code:

## Control Measures

### Respiratory Protection:

IF TLV OR PEL EXCEEDS LIMITS, USE NIOSH APPROVED PARTICULATE RESPIRATOR.

### Ventilation:

LOCAL EXHAUST IF TLVs OR PELS ARE EXCEEDED.

### Protective Gloves:

MFR STATES NOT REQUIRED.

### Eye Protection:

SAFETY GOGGLES, AS NEEDED

### Other Protective Equipment:

Equipment N/P

### Work Hygienic Practices:

N/P

### Supplemental Safety and Health:

PRODUCT IS ALUMINUM POWDER, ATOMIZED UNCOATED AND NOT CONSIDERED FLAMMABLE SOLID. FLAMMABLE POWDER FALL UNDER COATED CATAGORY. FOR MORE DETAILS ON CLASSIFICATION AND/OR DIFFERENT TYPES, SEE DGSC-SLM CASE HISTORY NO: 87252H, PARA 3(B).

## Health Hazards Data

### LD50/LC50 Mixture:

N/K

### Route Of Entry Inds - Inhalation:

YES

### Skin:

NO

### Ingestion:

YES

### Carcinogenicity Inds - NTP:

NO

### IARC:

NO

### OSHA:

NO

### Health Hazards Acute And Chronic:

ACUTE: DUST MAY CAUSE RESPIRATORY TRACT IRRITATION.

### Explanation Of Carcinogenicity:

N/P

### Signs And Symptoms Of Overexposure:

INHALATION: HIGH CONCENTRATION CAN CAUSE RESPIRATORY TRACT IRRITATION; EYES: DUST MAY CAUSE IRRITATION; SKIN: REPEATED AND PROLONGED CONTACT MAY CAUSE SLIGHT IRRITATION; INGESTION: NEGIGIBLE EFFECTS.

### Medical Cond Aggravated By Exposure:

PRE-EXISTING UPPER RESPIRATORY AND LUNG DISEASE SUCH AS, BUT NOT LIMITED TO, BRONCHITIS, EMPHYSEMA AND ASTHMA.

### First Aid:

3 INHALE: REMOVE TO FRESH AIR, GIVE CPR/O<sub>2</sub> IF NEED; EYES/SKIN: FLUSH W LG AMTS H<sub>2</sub>O FOR 15 MIN; INGEST: RINSE MOUTH; GET MEDICAL ATTENTION FOR EYES, BREATHING DIFFICULTY, OR OTHER SYMPTOMS OF OVEREXPOSURE.

### Spill Release Procedures:

REMOVE ALL IGNITION SOURCES. USE NON-SPARKING TOOLS (SHOVELS). WEAR APPROPRIATE PROTECTIVE EQUIPMENTS. TRANSFER SPILLED MATERIAL TO A LEAK PROOF CONTAINER FOR HAZARDOUS WASTE DISPOSAL. IF VACUUM CLEANER IS USED, IT SHOULD BE GROUNDED TO PREVENT STATIC.

### Neutralizing Agent:

N/R

### Waste Disposal Methods:

FOR DISPOSAL OF THIS MATERIAL AS A WASTE, ACT IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE & LOCAL WASTE MANAGEMENT REGULATIONS.

### Handling And Storage Precautions:

USE NON-SPARKING HANDLING EQUIPMENT. COVER AND RESEAL PARTIALLY EMPTY CONTAINERS. KEEP COMPLETELY DRY. STORAGE AREA MUST BE OF FIRE RESISTANT CONSTRUCTN.

### Other Precautions:

N/P

## Fire and Explosion Hazard Information

### Flash Point Method:

N/P

### Flash Point:

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The above information is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. The product information in this document is appropriate for safety and handling purposes. It does not represent any guarantee of the properties of the product. Lookchem shall not be liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.

### Flash Point Text:

NONE

### Autoignition Temp:

N/A

### Autoignition Temp Text:

N/A

### Lower Limits:

N/R

### Upper Limits:

N/R

### Extinguishing Media:

USE CLASS "D" DRY CHEMICAL EXTINGUISHING AGENTS SUCH AS DRY SAND; DO NOT USE WATER OR HALOGENATED AGENT AS EXTINGUISHER.

### Fire Fighting Procedures:

USE SELF-CONTAINED BREATHING APPARATUS IN PRESSURE DEMAND MODE; GENTLY COVER THE BURNING POWDER WITH EXTINGUISHER (DO NOT MIX WITH POWDER). PREVENT DUST FORMATION.

### Unusual Fire/Explosion Hazard:

WATER & BURNING ALUMINUM POWDER REACT VIOLENTLY FORMING HYDROGEN & ALUMINUM OXIDE, ALUMINUM DUST MAY BE IGNITED BY STATIC DISCHARGE, DUST IN AIR MAY BE EXPLOSION.

## Physical/Chemical Properties

### HgC:

F8

### NRC/State Lic No:

N/K

### Net Prod WT For Ammo:

N/P

### Boiling Point:

N/P

### B.P. Text:

N/K 5

### Melt/Freeze Pt:

1453F/789C

### Decomp Temp:

N/R

### Decomp Text:

N/R

### Vapor Pres:

N/R

### Vapor Density:

N/R

### Volatile Org Content %:

N/P

### Spec Gravity:

2.70

### PH: N/P

### VOC Content / Liter:

N/P

### Viscosity:

N/P

### Evaporation Rate & Reference:

N/R

### Solubility in Water:

NEGLIGIBLE

### Appearance and Odor:

GRAY SILVER POWDER, ODORLESS

### Percent Volatiles by Volume:

N/R

### Corrosion Rate:

N/R

## Reactivity Data

### Stability Indicator:

YES

### Stability Condition To Avoid:

IMPROPER STORAGE WHICH WOULD ALLOW INTRODUCTION OF WATER/MOISTURE/HEAT, SPARKS FOREIGN MATERIAL.

### Materials To Avoid:

WATER, HALOGENATED HYDROCARBONS, MINERAL ACIDS, ALKALIS AND STRONG OXIDIZING MATERIALS.

### Hazardous Decomposition Products:

ALUMINUM WHEN REACTS WITH WATER, ACIDS OR ALKALIS, IT FORMS COMBUSTIBLE HYDROGEN GAS.

### Hazardous Polymerization Indicator:

NO

### Conditions To Avoid Polymerization:

NOT KNOWN

## Toxicological Information

### Information N/P

### Information N/P

## Regulatory Information

### Sara Title III Information: N/P

### Federal Regulatory Information: N/P

### State Regulatory Information: N/P

## Other Information

### Other Information: N/P

### Information N/P