

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

ACGIHSTEL:
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

LD50LC50Mixture:
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 Symptions 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:NEGLIGIBLE 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*2 IF NEED;EYES/SKIN:FLUSH W LG AMTS H*2O 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 I S USED,IT SHOULD BE GROUNDED TO PREVENTSTATIC.

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:

Flash Point Text:
NONE

Autoignition Temp:

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. 4

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

HCC:
F8

NRC/State LIC No:

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
N/K 5

Melt /Freeze Pt:

M.P/F.P Text:
1453F/789C

Decomp Temp:

Decomp Text:
N/R

Vapor Pres:
N/R

Vapor Density:
N/R

Volatile Org Content %:

Spec Gravity:
2.70

VOC Pounds/Gallon:

PH: N/P

VOC Grams/Liter:

Viscosity:
N/P

Evaporation Rate & Reference:
N/R

Solubility in Water:
NEGLEGIBLE

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

MSDS Transport Information

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

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WARRANTY

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