

ALUMINUM CO OF AMERICA,POWDER DIVISION. -- ATOMIZED POWDERS(ALUMINUM) --  
6810-01-228-1269

===== Product Identification =====

Product ID:ATOMIZED POWDERS(ALUMINUM)

MSDS Date:05/05/1989

FSC:6810

NIIN:01-228-1269

MSDS Number: BJD MF

=== Responsible Party ===

Company Name:ALUMINUM CO OF AMERICA,POWDER DIVISION.

Address:HIGHWAY 79

Box:472

City:ROCKDALE

State:TX

ZIP:76567

Country:US

Info Phone Num:412-5

53-2881

Emergency Phone Num:412-553-4001

CAGE:8H224

=== Contractor Identification ===

Company Name:ALUMINUM CO OF AMERICA,POWDER DIVISION.

Address:HIGHWAY 79

Box:472

City:ROCKDALE

State:TX

ZIP:76567

Country:US

Phone:412-553-4001

CAGE:8H224

===== Composition/Information on Ingredients =====

Ingred Name:ALUMINUM (SARA III)

CAS:7429-90-5

RTECS #:BD0330000

Fraction by Wt: 99.7%

Other REC Limits:NONE SPECIFIED

OSHA PEL:15MG/M3 DUST/5 FUME

ACGIH TLV:10MG/M3 DUST; 9192

Ingred Name

:IRON  
CAS:7439-89-6  
RTECS #:NO4565500  
Fraction by Wt: 0.2%  
Other REC Limits:NONE SPECIFIED

Ingred Name:SILICON  
CAS:7440-21-3  
RTECS #:VW0400000  
Fraction by Wt: 0.1%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:15 MG/M3 TDUST  
ACGIH TLV:10 MG/M3 TDUST; 9293

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===== Hazards Identification =====  
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Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE:IRRITATION OF EYES,SKIN AND

RESPIRATORY TRACT DUE TO NUISANCE DUST.MATERIAL ITSELF NOT AN EYE  
IRRITANT.NO HEALTH PROBLEM BY INGESTION IS REPORTED.

Explanation of Carcinogenicity:DATA PER MGF MSDS.

Effects of Overexposure:TREAT AS NUISANCE DUST.

Medical Cond Aggravated by Exposure:PRE-EXISTING CONDITIONS MAY BE  
WORSEN.

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===== First Aid Measures =====  
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First Aid:EYES AND SKIN:FLUSH WITH LARGE AMOUNT OF WATER FOR ABOUT  
15-20 MINUTES;SEEK MEDICAL ATTENTION IMMEDIATELY.INHAL  
ATION:REMOVE  
TO FRESH AIR;CALL A PHYSICIAN.INGESTION:SEEK MEDICAL ATTENTION  
IMMEDIATELY.

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===== Fire Fighting Measures =====  
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Flash Point:NONE

Lower Limits:40.0

Extinguishing Media:USE SAND, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA &  
FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER  
SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:ALUM

INUM POWDER MAY BE EXPLOSIVE WHEN  
DISPERSED IN AIR.EVEN MINOR DUST CLOUD CAN EXPLODE VIOLENTLY.

===== Accidental Release Measures =====

Spill Release Procedures:USE PROPER PERSONAL PROTECTION;REMOVE ALL  
IGNITION SOURCES.DO NOT USE WATER.SWEEP UP OR VACUUM AND COLLECT  
FOR PROPER DISPOSAL IN AN APPROVED CONTAINER.

===== Handling and Storage =====

Handling and Storage Precautions:STORE IN COOL,DRY AND WELL VENTILATED  
AREA.KEEP CONTAINER CLOSED WHEN NOT IN USE.  
Other Precautions:AVOID CLOUD OF DUST.DO NOT USE WITH  
WATER,ACIDS,ALKALIES,OXIDIZERS AND HALOGENATED COMPOUNDS.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR FOR DUST/MIST  
IF ABOVE PEL/TLV OR SCBA IN AN ENCLOSED AREA.  
Ventilation:LOCAL/GENERAL TO MAINTAIN PEL/TLV. (EXPLOSION PROOF)  
Protective Gloves:IMPERVIOUS  
Eye Protection:SAFETY GLASSES/GOGGLES  
Other Protectiv  
e Equipment:PROTECTIVE CLOTHINGS.EYE-WASH  
FACILITIES,SAFETY SHOWER.  
Work Hygienic Practices:AVOID CONTACT WITH EYES AND SKIN;DO NOT BREATHE  
VAPORS/MIST/DUST. DO NOT EAT,DRINK,SMOKE.  
Supplemental Safety and Health  
KEEP AWAY FROM HEAT AND OPEN FLAMES.USE AS DIRECTED.

===== Physical/Chemical Properties =====

HCC:R2  
Melt/Freeze Pt:M.P/F.P Text:1195F,646C  
Solubility in Water:INSOLUBLE  
Appearance and Odor:FINELY DIVIDED ALUMINUM POWDER IN NODULAR FORM GRAY  
OR  
SILVER COLOR ,NO ODOR.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES  
WATER,STRONG OXIDIZERS,HALOGENATED COMPOUNDS.  
Stability Condition to Avoid:HIGH TEMPERATURES, SPARKS, AND OPEN  
FLAMES,WATER  
Hazardous Decomposition Products:NOT SPECIFIED

===== Disposal Considerations =====

Waste Disposal Methods:CONSULT LOCAL AUTHORITIES;DISPOSAL MUST BE IN  
ACCORDANCE WITH LOCAL,STATE AND FEDERAL REGULA

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