

ALCAN-TOYO AMERICA,INC. -- ATOMIZED ALUMINUM POWDER -- 6810-01-228-1269

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Product Identification
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Product ID:ATOMIZED ALUMINUM POWDER

MSDS Date:06/01/1990

FSC:6810

NIIN:01-228-1269

MSDS Number: BGQYH

=== Responsible Party ===

Company Name:ALCAN-TOYO AMERICA,INC.

Address:17401 ROUTE 53

City:LOCKPORT

State:IL

ZIP:60441

Country:US

Info Phone Num:815-740-3000

Emergency Phone Num:815-740-3000

CAGE:76424

=== Contractor Identification ===

Company Name:ALCAN-TOYO AMERICA INC AFFIL OF ALCON ALUMINUM CORP

Address:1717 N NAPER BLVD SUITE 201

Box:City:NAPERVILLE

State:IL

ZIP:60540

Country:US

Phone:708-505-2160

CAGE:76424

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Composition/Information on Ingredients
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Ingred Name:ALUMINUM (SARA III)

CAS:7429-90-5

RTECS #:BD0330000

Fraction by Wt: 100%

OSHA PEL:15MG/M3 DUST/5 FUME

ACGIH TLV:10MG/M3 DUST; 9192

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Hazards Identification
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Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ALUMINUM DUST IS CONSIDERED A NUISANCE DUST. OTHER THAN THIS HAZARD, IT IS ESSESTIALLY NON-TOXIC.
Explanation of Carcinogenicity:NONE OF THE COMPOUNDS IN THIS PRODUCT IS LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.
Effects of Overexposure:EYE:PHYSICAL IRRITATION,ABRASION. SKIN:MAY CAUSE PHYSICAL IRRITATION WITH PROLONGED/REPEATED CONTACT.
INHALED:IRRITATION(NUISANCE PARTICULATE). INGESTED:NEGLIGIBLE EFFECT.

===== First Aid Measures =====

First Aid:INHALATION-REMOVE TO FRESH AIR. IF DISCOMFORT PERSISTS, SEEK MEDICAL ATTENTION. EYES-FLUSH WITH WATER FOR 15 MINUTES. SEEK MEDICAL ADVICE. SKIN-REMOVE CONTAMINATED CLOTHING & WASH AFFECTED AREA WITH S OAP AND WATER. INGESTION-SEEK MEDICAL ADVICE.

===== Fire Fighting Measures =====

Lower Limits:30%
Upper Limits:NOT KNOWN
Extinguishing Media:USE CLASS D EXTINGUISHING AGENT ONLY! (DRY SAND,ETC.) DO NOT USE ANY OTHER AGENTS!
Fire Fighting Procedures:GENTLY COVER BURNING POWDER & FORM A RING AROUND IT WITH PROPER AGENT. DO NOT MIX AGENT WITH BURNING POWDER. LET POWDER COOL. DO NOT ALLOW DUST CLOUDS TO FORM.
Unusual Fire/Explosion Hazard:WATER & ALUMINUM REACT VIOLENTLY FORMING HYDROGEN GAS & ALUMINUM OXIDE. ALUMINUM WILL BURN AT HIGH TEMPERATURES AS A MASS OR BE EXPLOSIVE IF DISPERSED IN AIR.

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

Spill Release Procedures:REMOVE ALL IGNITION SOURCES. KEEP PEOPLE AWAY. AVOID EXPOSURE TO SPARKS, FIRE OR HOT METAL SURFACES. USING NON-SPARKING TOOLS (SHOVEL) TRANSFER SPILLED MATERIAL TO A LEAK PROOF CONTAINER FOR HAZARDOUS WASTE DISPOSAL.
Neutralizing Agent:NONE

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

Handling and Storage Precautions:USE NON-SPA

WORKING HANDLING EQUIPMENT.

COVER & RESEAL PARTIALLY EMPTY CONTAINERS. KEEP COMPLETELY DRY.
STORAGE AREA MUST BE FIRE RESISTANT.

Other Precautions:READ ALUMINUM ASSOCIATION BULLETIN TR-2. FOLLOW
DIRECTIONS. DO NOT SMOKE OR HAVE OPEN LIGHTS WHEN USING THIS
MATERIAL.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED SUPPLIED AIR RESPIRATOR
PROTECTION IN CONFINED OR ENCLOSED SPACES IF NEEDED.

Ventilation:LOCAL EXH

AUST, EXPLOSION PROOF, MINIMUM FACE VELOCITY OF 60
F.P.M. NO SMOKING OR OPEN LIGHTS.

Protective Gloves:CHEMICAL RESISTANT GLOVES

Eye Protection:SAFETY GOGGLES

Other Protective Equipment:USE CHEMICAL RESISTANT APRON TO AVOID
PROLONGED OR REPEATED SKIN CONTACT.

Work Hygienic Practices:USE GOOD CHEMICAL HYGIENE PRACTICE. AVOID
UNNECESSARY CONTACT.

Supplemental Safety and Health
NONE

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

HCC:N1

Boiling Pt:B.P. Text:4473F,
2467C

Melt/Freeze Pt:M.P/F.P Text:1220F,660C

Spec Gravity:2.7

Solubility in Water:NONE

Appearance and Odor:DULL GRAY TO METALLIC SILVER COLOR POWDER, NO ODOR

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

Stability Indicator/Materials to Avoid:YES

WATER ACIDS, ALKALIS, CHLORINATED HYDROCARBON & STRONG OXIDIZERS.

Stability Condition to Avoid:HEAT, SPARKS & OPEN FLAMES

Hazardous Decomposition Products:ALUMINUM REACTS WITH WATER, ACIDS OR
ALKALIS TO FORM COMBUSTIBLE HYDRO

GEN GAS.

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

Waste Disposal Methods:DISPOSE IN APPROVED HAZARDOUS WASTE LANDFILL.
DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL,
STATE AND LOCAL LAWS AND REGULATIONS.

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