

ALCAN-TOYO AMERICA,INC. -- ATOMIZED ALUMINUM POWDER -- 6810-00-628-3382

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Product Identification
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Product ID:ATOMIZED ALUMINUM POWDER

MSDS Date:06/01/1990

FSC:6810

NIIN:00-628-3382

MSDS Number: BPFYP

=== 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

/CHEMTREC 800-424-9300

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.OSHA PEL IS FOR TOTAL DUST.OSHA PEL 5 MG(AL)/M3
RESP DUST.ACGIH TLV IS FOR METAL DUST.

CAS:7429-90-5

RTECS #:BD0330000

Fraction by Wt: 100%

Other REC Limit

s:N/K

OSHA PEL:15 MG(AL)/M3

ACGIH TLV:10 MG(AL)/M3

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Hazards Identification
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LD50 LC50 Mixture:N/K

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:SEE SIGNS AND SYMPTOMS OF
OVEREXPOSURE.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:EYES:DUST MAY CAUSE ABRASION.SKIN:DUST MAY
CAUSE IRRITATION ON REPEATED CONTACT.INGEST:DUST HAS NEGLIGIB

LE

EFFECT. INHAL: ALUMINUM DUST CONSIDERED NUISANCE PARTICULATES, WHICH HAVE LITTLE ADVERSE EFFECT ON LUNGS & DO NOT PRODUCE SIGNIFICANT ORGANIC DISEASE OR TOXIC EFFECTS WHEN EXPOSURES ARE KEPT UNDER REASONABLE CONTROL.

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

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

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

Lower Limits: SEE SUPP DAT

Extinguishing Media: CLASS "D" DRY CHEM EXTING, DRY SAND, OTHER SUITABLE MATL. DO NOT USE CLASS "A", "B", "C" EXTING, HALOGENATED AGENT, OR WATER.

Fire Fighting Procedures: GENTLY COVER BURNING POWDER & FORM RING AROUND IT W/ EXTING. DO NOT MIX EXTING W/ BURNING POWDER & DO NOT DISTURB POWDER UNTIL COOLED TO AMBIENT TEMP. (SEE SUPP)

Unusual Fire/Explosion Hazard: H₂O & BURNING, FINELY DIVIDED AL REACT VIOLENTLY FORMING HYDROGEN GAS & AL OXIDE. AL PARTICLES BURN AT VERY HIGH TEMP AS A MASS OF MATL OR POTENTIALLY (SEE SUPP)

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

Spill Release Procedures: REMOVE ALL IGNITION SOURCES. KEEP PEOPLE AWAY. AVOID EXPOSURE TO SPARKS, FIRE OR HOT METAL SURFACES. USING NONSPARKING TOOLS (SHOVELS) TRANSFER SPILLED MATERIAL TO A LEAK-PROOF CONTAINER FOR HAZARDOUS WASTE DISPOSAL.

Neutralizing Agent: N/K

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

Handling and Storage Precautions: USE NONSPARKING HANDLING EQUIPMENT. COVER & RESEAL PARTIALLY EMPTY CONTRS. KEEP COMPLETELY DRY. STORAGE AREAS MUST BE OF FIRE RESISTANT CONSTRUCTION.

Other Precautions: SEE ALUMINUM ASSOCIATION BULLETIN TR-2 FOR FURTHER INFORMATION.

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

Respiratory Protection: USE S

APPLIED AIR RESPIRATORY PROTECTION IN
CONFINED OR ENCLOSED SPACES IF NEEDED.

Ventilation:LOCAL EXHAUST,EXPLOSION PROOF,MINIMUM FACE VELOCITY OF 60
FPM.NO SMOKING OR OPEN LIGHTS.

Protective Gloves:CHEMICAL RESISTANT GLOVES.

Eye Protection:GOGGLES

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

Work Hygienic Practices:N/K

Supplemental Safety and Health

LEL:30 OZ/1000 CUBIC FT. FIRE FIGHTING PROCEDURES:AT NO TIME ALLOW
DUST CLOU

DS TO FORM.EXPLOSION HAZARDS:EXPLOSIVE IF LOOSENED AND
DISPERSED IN AIR.

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

HCC:R2

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

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

Decomp Temp:Decomp Text:N/K

Vapor Density:N/K

Spec Gravity:2.7 (WATER=1)

Solubility in Water:NONE

Appearance and Odor:DULL GRAY TO METALLIC SILVER POWDER WITH NO ODOR.

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

Stability Indicator/Materials to

Avoid:YES

WATER,ACIDS,ALKALIES,CHLORINATED HYDROCARBONS AND STRONG OXIDIZERS.

Stability Condition to Avoid:HEAT,SPARKS,OPEN FLAME.

Hazardous Decomposition Products:ALUMINUM REACTS WITH WATER,ACID OR
ALKALIES TO FORM COMBUSTIBLE HYDROGEN GAS.

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

Waste Disposal Methods:DISP MUST BE IAW FED,STATE,& LOCAL
REGS.COORDINATION WITH SUPPORTING INSTALLATION/MACOM ENVIRONMENTAL
COORDINATION PRIOR TO DISP IS REC TO DETERM APPROPR

IATE DISP

METHODS .DISPOSE OF IN APPROVED HAZARDOUS WASTE LANDFILL.

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