

ALCAN-TOYO AMERICA,INC.(OLD NAME:ALCAN ALUMINUM CO -- ATOMIZED ALUMINUM POWDER;SEE INGRED #02 -- 6810-00-550-1657

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

Product ID:ATOMIZED ALUMINUM POWDER;SEE INGRED #02

MSDS Date:05/01/1988

FSC:6810

NIIN:00-550-1657

MSDS Number: BFDVZ

=== Responsible Party ===

Company Name:ALCAN-TOYO AMERICA,INC.(OLD NAME:ALCAN ALUMINUM CO

Address:CATON FARM ROAD AND ROUTE 53

Box:92

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City:JOLIET

State:IL

ZIP:60434

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

Company Name:ALCAN-TOYO AMERICA INC ALCAN INGOT AND POWDERS DIV

Address:17401 RT 53 S BROADWAY

Box:City:LOCKPORT

State:IL

ZIP:60441

Country:US

Phone:815-727-5555

CAGE:9X

812
Company Name:CHEMICAL COMMODITIES AGENCY, INC.
Address:27447 PACIFIC STREET
Box:City:HIGHLAND
State:CA
ZIP:92346-2640
Country:US
Phone:909-864-2310
CAGE:60777

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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: 100.0%
OSHA PEL:15MG/M3 DUST/5 FUME
ACGIH TLV:10MG/M3 DUST; 9192

Ingred Name:PRODUCT NAME:ALUMINUM POWDER ALSO FOR P/N
ALCAN:9,11,13,44,52,66,101,105,201,4015,4040,4090,5142 AND EL
EVEN
MORE(MSDS)
RTECS #:9999999ZZ

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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:DUST MAY CAUSE RESPIRATORY TRACT
IRRITATION.
Effects 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.

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First Aid Measures
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First Aid:INHALE:REMOVE TO FRESH AIR, GIVE CPR/O2 IF
NEED;EYES/SKIN:FLUSH W LG AMTS H2O FOR 15 MIN;INGEST:RINSE MOUTH;
GET MEDICAL ATTENTION FOR EYES, BREATHING DIFFICULTY, OR OTHER
SYMPTOMS OF OVEREXPOSURE.

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= Fire Fighting Measures =====

Flash Point:NONE

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.

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

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.

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

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.

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

Respiratory Protection:USE SUPPLIED AIR RESPIRATORY PROTECTION IN CONFINED OR ENCLOSED SPACES IF NEEDED.

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

EN LIGHT IN WORK AREA.

Protective Gloves:USE CHEMICAL RESISTANT GLOVES & APRON

Eye Protection:CHEMICAL GOGGLES OR FACE SPLASH SHIELD

Supplemental Safety and Health

MFR STATED THAT THE POWDER IS ATOMIZED & UNCOATED,SPERICAL OR IRREGULAR SHAPE;THE MSDS SHOWING "X" BEFORE THE P/N IS STRICTLY FOR SPHERICAL POWDER COVERED BY MIL-A-23950 & MIL-A-82728.THE MSDS SHOWING STRAIGHT NO IS FOR IRREGULAR SHAPED PARTICLES POWDER FOR MIL-A-512; THIS ENTRY IS FOR P/N:ALCAN 101;DGSC-SLM 87252H,CA

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

HCC:F8

Boiling Pt:B.P. Text:4472F/2467C

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

Spec Gravity:2.70

Solubility in Water:NEGLIGIBLE

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

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

Stability Indicator/Materials to Avoid:YES

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

Stability Condition to Avoid:

IMPROPER STORAGE WHICH WOULD ALLOW

INTRODUCTION OF WATER/MOISTURE,HEAT,SPARKS & FOREIGN MATERIAL.

Hazardous Decomposition Products:ALUMINUM WHEN REACTS WITH WATER,ACIDS OR ALKALIS,IT FORMS COMBUSTIBLE HYDROGEN GAS.

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

Waste Disposal Methods:FOR DISPOSAL OF THIS MATERIAL AS A WASTE,ACT IN ACCORDANCE WITH ALL APPLICABLE FEDERAL,STATE & LOCAL WASTE MANAGEMENT REGULATIONS.MFR RECOMMENDS TO DISPOSE IN APPROVED HAZA

RDOUS WASTE LANDFILL.

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