

MIDWEST METALS, INC. -- EXTRUDED MAGNESIUM SPECIFICATION GRADE AZ31B --
3439-01-097-5992

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

Product ID:EXTRUDED MAGNESIUM SPECIFICATION GRADE AZ31B

MSDS Date:06/13/1990

FSC:3439

NIIN:01-097-5992

MSDS Number: CGXDD

=== Responsible Party ===

Company Name:MIDWEST METALS, INC.

Address:25989 DETROIT ROAD

City:WESTLAKE

State:OH

ZIP:44145

Country:US

Info Phone Num:216-871

-6455 OR 800-860-6455

Emergency Phone Num:216-871-6455 OR 800-860-6455

CAGE:4S987

=== Contractor Identification ===

Company Name:MIDWEST METALS, INC.

Address:25989 DETROIT ROAD

Box:City:WESTLAKE

State:OH

ZIP:44145

Country:US

Phone:216-871-6455 OR 800-860-6455

CAGE:4S987

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

Ingred Name:ALUMINUM (SARA 313)

CAS:7429-90-5

RTECS #:BD0330000

Fraction by Wt: 3%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:15 MG/M3 DUST

ACGIH TLV:10 MG/M3

DUST; 9596

Ingred Name:MANGANESE (SARA 313)
CAS:7439-96-5
RTECS #:OO9275000
Fraction by Wt: 0.2%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:C, 5 MG/M3 (FUME)
ACGIH TLV:0.2 MG/M3; 9596

Ingred Name:ZINC (SARA 313) (CERCLA)
CAS:7440-66-6
RTECS #:ZG8600000
Fraction by Wt: 1.0%
Other REC Limits:NONE RECOMMENDED
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:MAGNESIUM
CAS:7439-95-4
RTECS #:OM2100000
Fraction by Wt: 95.8%
Other REC Limits:NONE RECOMMENDED

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Hazards Identification =====

LD50 LC50 Mixture:NOT ESTABLISHED FOR METAL
Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:PRODUCT MAY CAUSE MECHANICAL INJURY TO SKIN OR EYES. INGESTION IS UNLIKELY DUE TO PHYSICAL STATE/SHAPE/SIZE. HOWEVER, IF LARGE AMOUNTS OF DUST ARE INGESTED, SERIOUS INJURY OR DEATH MAY OCCUR. INHALATION OF DUST MAY CAUSE IRRITATION OF RESPIRATORY TRACT. EXPOSURE TO ALUMINUM FUMES MAY CAUSE SHAVER'S DISEASE.
Explanation of Carcinogenicity:NO INGREDIENT OF A CONCENTRATION OF 0.1% OR GREATER IS LISTED AS A CARCINOGEN BY IARC, NTP OR OSHA.
Effects of Overexposure:INHALED-RESPIRATORY IRRITATION; SHAVER'S DISEASE-WEAKNESS, FATIGUE, RESPIRATORY DISTRESS. SKIN & EYES-MECHANICAL INJURY. INGESTED-POSSIBLE SERIOUS INJURY OR DEATH.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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First Aid Measures =====

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First Aid:EYES-IRRIGATE IMMEDIATELY WITH WATER FOR AT LEAST 5 MINUTES.
SKIN-WASH OFF DUST WITH FLOWING WATER OR SHOWER. INGESTED-INDUCE
VOMITING IF LARGE AMOUNTS OF DUST ARE INGESTED. CONSULT MEDICAL
PERSONNEL. INHALED-REMOVE TO FRESH AIR IF INHALATION EFFECTS
OCCUR. CONSULT A PHYSICIAN. NOTE TO PHYSICIAN: NO SPECIFIC ANTIDOTE
FOR DUST INHALATION, SUPPORTIVE CARE. TREATMENT BASED ON JUDGEMENT
OF PHYSICIAN.

===== Fire Fighting Measures

Flash Point:NONE

Extinguishing Media:SMOTHER BY COVERING WITH AN EXTINGUISHING POWDER
APPROVED FOR MAGNESIUM FIRES SUCH AS G1, MET-L-X, ETC.

Fire Fighting Procedures:WEAR NIOSH-MSHA-APPROVED POSITIVE PRESSURE
SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:IF HEATED IN AIR NEAR MELTING
POINT,MAGNESIUM ALLOYS IGNITE,BURN W/WHITE FLAME.USE OF WATER ON
BURNING MAGNESIUM WILL PRODUCE HYDROGEN GAS & MAY CAUSE EXPLOSION

===== Acci
dental Release Measures =====

Spill Release Procedures:CLEAN OFF & USE.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:IF FINES PRODUCED; COLLECT, STORE &
DISPOSE OF PROPERLY. KEEP FINES/DUST LEVELS LOW. STORE IN A COOL,
DRY PLACE. KEEP AWAY FROM INCOMPATIBLES.

Other Precautions:SEE NATIONAL FIRE PROTECTION ASSOCIATION BULLETINS
NFPA 480, "STORAGE, HANDLING AND PR
OCESSING OF MAGNESIUM" AND NFPA
651, "MANUFACTURE OF MAGNESIUM ANF MAGNESIUM POWDER".

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

Respiratory Protection:IN DUSTY ATMOSPHERES, USE AN APPROVED DUST
RESPIRATOR.

Ventilation:GOOD GENERAL VENTILATION SHOULD BE SUFFICIENT IN MOST
CONDITIONS. LOCAL EXHAUST MAY BE NECESSARY IN SOME OPERATIONS.

Protective Gloves:NONE SPECIFIED BY MANUFACTURER.

Eye Protection:SAFETY GLASSES/CHEMICAL GOGGLES.

Other Protective Equipment:

NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices:MINIMIZE BREATHING DUST. CLEANSE SKIN THOROUGHLY AFTER CONTACT, BEFORE BREAKS AND MEALS, AND AT THE END OF WORK PERIODS.

Supplemental Safety and Health

PRODUCT HAS BEEN EVALUATED UNDER EPA 311/312/SARA III AND DOES NOT MEET ANY HAZARD CATAGORY.

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

HCC:N1

Melt/Freeze Pt:M.P/F.P Text:1160F,627C

Spec Gravity:1.77

Appearance and Odor:SILVER SOLID, ODORLESS.

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

Stability Indicator/Materials to Avoid:YES

ACID, WATER.

Stability Condition to Avoid:STABLE UNDER NORMAL CONDITIONS OF HANDLING & USE.

Hazardous Decomposition Products:NONE UNDER NORMAL USE & STORAGE.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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vided with this information by the compiling agencies):

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