

DOW CHEMICAL U.S.A. -- 51494 MAGNESIUM EXT GENERAL MG-1 (DOAN P/N 8702) --
4240-01-160-5618

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

Product ID:51494 MAGNESIUM EXT GENERAL MG-1 (DOAN P/N 8702)

MSDS Date:07/13/1990

FSC:4240

NIIN:01-160-5618

MSDS Number: BKQXC

=== Responsible Party ===

Company Name:DOW CHEMICAL U.S.A.

Address:CHEMICAL AND METALS DEPARTMENT

City:MIDLAND

State:MI

ZIP:48674

Country:US

Info

Phone Num:517-636-4400

Emergency Phone Num:517-636-4400

CAGE:96717

=== Contractor Identification ===

Company Name:DOAN MACHINERY AND EQUIPMENT CO INC

CAGE:62561

Company Name:DOW CHEMICAL CO

Address:100 LARKIN CENTER

Box:City:MIDLAND

State:MI

ZIP:48674

Country:US

Phone:800-258-2436

CAGE:96717

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

Ingred Name:ALUMINUM (SARA III)

CAS:7429-90-5

RTECS #:BD0330000

Fraction by Wt: 2.8%

Other REC Limits:NONE SPECIFIED

OSHA PEL:15MG/M3 D

UST/5 FUME
ACGIH TLV:10MG/M3 DUST; 9192

Ingred Name:ZINC (SARA III)
CAS:7440-66-6
RTECS #:ZG8600000
Fraction by Wt: 0.9%
Other REC Limits:NONE SPECIFIED
OSHA PEL:10 MG ZNO/M3
ACGIH TLV:10 MG ZNO/M3; 9192
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:MANGANESE (SARA III)
CAS:7439-96-5
RTECS #:OO9275000
Fraction by Wt: 0.15%
Other REC Limits:NONE SPECIFIED
OSHA PEL:(C) 5 MG/M3 DUST
ACGIH TLV:5 MG/M3 DUST 9293

Ingred Name:MAGNESIUM
CAS:7439-95-4
RTECS #:OM2100000
Fraction by Wt: BALANC
E
Other REC Limits:NONE SPECIFIED

=====
===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYES: MECHANICAL INJURY ONLY. SKIN:
MECHANICAL INJURY, MOLTEN MATERIAL MAY PRODUCE BURNS. INGESTION:
UNLIKELY. INHALATION: DUST MAY CAUSE IRRITATION TO THE UPPER
RESPIRATORY TRACT.
Effects of Overexposure:SEE HEALTH HAZARDS.
Medical Cond A
Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYES: IRRIGATE IMMEDIATELY WITH WATER FOR AT LEAST 15 MIN.
SKIN: WASH OFF DUST IN FLOWING WATER OR SHOWER. INGESTION: INDUCE
VOMITING IF LARGE AMOUNTS OF DUST ARE INGESTED. INHALATION: REMOVE
TO FRESH AIR IF DUST INHALATION EFFECTS OCCUR. CONSULT A
PHYSICIAN.

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

Flash Point:NO

NE

Extinguishing Media:SMOTHER BURNING MAGNESIUM BY COVERING WITH AN EXTINGUISHING POWDER APPROVED FOR USE ON MAGNESIUM FIRES.

Fire Fighting Procedures:WHEN HEATED IN AIR TO A TEMPERATURE NEAR ITS MELTING POINT, MAGNESIUM ALLOYS IGNITE AND BURN WITH A WHITE FLAME.

Unusual Fire/Explosion Hazard:USE OF WATER ON MOLTEN MAGNESIUM WILL PRODUCE HYDROGEN GAS AND MAY CAUSE AN EXPLOSION. WEAR POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS.

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

Spill Release Procedures:CLEAN OFF PRODUCT AND USE.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN A COOL, DRY AREA.

Other Precautions:NONE

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

Respiratory Protection:NO RESPIRATORY PROTECTION SHOULD BE NEEDED.

Ventilation:GOOD GENERAL VENTILATION SHOULD BE SUFFICIENT FOR MOST CONDITION

S. LOCAL EXHAUST VENTILATION MAY BE NECESSARY.

Protective Gloves:TO PROTECT AGAINST MECHANICAL INJURY

Eye Protection:SAFETY GLASSES

Other Protective Equipment:NONE

Work Hygienic Practices:WASH HANDS AFTER USE OF THIS PRODUCT.

Supplemental Safety and Health

KEY1=N1. OTHER PART OF THIS ITEM IS LISTED UNDER CAGE TREIB, PNI B, THIS NSN.

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

HCC:F8

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

Spec Gravity:1.77

Appearance and Odor:SILVER

SOLID, NO ODOR.

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

Stability Indicator/Materials to Avoid: YES

ACID AND WATER.

Stability Condition to Avoid: EXTREME HEAT OR FLAMES.

Hazardous Decomposition Products: MAY PRODUCE HYDROGEN GAS.

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

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

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.