

DOW CHEMICAL U.S.A., GOVERNMENT MARKETING -- EXT MAGNESIUM WELDING ROD AZ92A --
3439-00-204-3203

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

Product ID:EXT MAGNESIUM WELDING ROD AZ92A

MSDS Date:06/13/1990

FSC:3439

NIIN:00-204-3203

MSDS Number: BKHHT

=== Responsible Party ===

Company Name:DOW CHEMICAL U.S.A., GOVERNMENT MARKETING

Address:2020 DOW CENTER

City:MIDLAND

State:MI

ZIP:48640-6030

Country:US

Info Phone Num:517-636-1000

Emergency Phone Num:517-636-4400

CAGE:9671

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=== Contractor Identification ===

Company Name:AUFHAUSER CORP

Address:39 WEST MALL

Box:City:PLAINVIEW

State:NY

ZIP:11803-4209

Country:US

Phone:212-757-6824/FAX: 516-694-8690

CAGE:59401

Company Name:DOW CHEMICAL CO

Address:100 LARKIN CENTER

Box:City:MIDLAND

State:MI

ZIP:48674

Country:US

Phone:800-258-2436

CAGE:96717

Company Name:INWELD MFG CORP

Address:3962 PORTLAND ST

Box:40

City:COPLAY

State:PA

ZIP:18037-0040

Country:US

Phone:610-261-1900

CAGE:66376

===== Composition/Information on

Ingredients =====

Ingred Name:ALUMINUM (SARA III)
CAS:7429-90-5
RTECS #:BD0330000
Fraction by Wt: 9.0%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:15MG/M3 DUST/5 FUME
ACGIH TLV:10MG/M3 DUST; 9293

Ingred Name:ZINC (SARA III)
CAS:7440-66-6
RTECS #:ZG8600000
Fraction by Wt: 2.0%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:10 MG ZNO/M3
ACGIH TLV:10 MG ZNO/M3; 9293
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 RECOMMENDED
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: BAL.
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:UNCLASSIFIED WELDING FUMES=5MG/M3 PEL
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYE:MECHANICAL INJURY ONLY. SKIN

CONTACT:MECHANICAL INJURY ONLY. MOLTEN MATERIAL MAY BURN SKIN.
INGESTION:INGESTION IS UNLIKELY DUE TO PHYSICAL STATE. HOWEVER,
INGESTION OF LARGE AMOUNTS OF DUST COULD CAUSE SERIOUS INJURY,
EVEN DEATH. INHALATION:DUST MAY CAUSE IRRITATION TO UPPER
RESPIRATORY TRACT.

Explanation of Carcinogenicity:THE PRODUCT CONTAINS NO INGREDIENT AT
0.1% OR GREATER THAT IS LISTED BY IARC, NTP OR OSHA AS A
CARCINOGEN.

Effects of Overexposure:THE ACUTE ORAL TOXICITY OF MAGNESIUM IS

CONSIDERED MODERATE.

Medical Cond Aggravated by Exposure:NO INFORMATION GIVEN ON MSDS BY
MFR.

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

First Aid:EYE:IRRIGATE IMMEDIATELY WITH WATER FOR AT LEAST 5 MINUTES.
SKIN:WASH OFF DUST IN FLOWING WATER OR SHOWER. INGESTION:INDUCE
VOMITING IF LARGE AMOUNTS OF DUST ARE INGESTED. CONSULT MEDICAL
PERSONNEL. I NHALATION:REMOVE TO FRESH AIR IF DUST INHALATION
EFFECTS OCCUR. CONSULT A PHYSICIAN. NO SPECIFIC ANTI
DOTE FOR DUST
INHALATION. SUPPORTIVE CARE. PHYSICIAN:USE JUDGEMENT AND TREAT PER
PATIENT REACTIONS.

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

Flash Point:NONE.
Extinguishing Media:SMOTHER BURNING MAGNESIUM BY COVERING WITH AN
EXTINGUISHING POWDER APPROVED FOR USE ON MAGNESIUM FIRES SUCH AS
MET-L-X.
Fire Fighting Procedures:WEAR POSITIVE PRESSURE SELF-CONTAINED
BREATHING APPARATUS.
Unusual Fire/Explosion Hazard:WHEN HEATED IN AIR TO A TEMPERATURE N
EAR
ITS MELTING POINT, MAGNESIUM ALLOYS IGNITE & BURN WITH A WHITE
FLAME.USE OF WATER WILL PRODUCE HYDROGEN GAS & EXPLODE.

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

Spill Release Procedures:CLEAN OFF AND USE.

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

Handling and Storage Precautions:STORE PRODUCT IN DRY LOCATION. WET,
MOIST OR HIGH HUMIDITY STORAGE CONDITIONS WILL LEAD TO CORROSION OF
THE PRODUCT. STORE AWAY FROM OTHER COMBU

STIBLE

Other Precautions:PRACTICE REASONABLE CARE IN HANDLING MAGNESIUM AND
MAGNESIUM ALLOY PRODUCTS FORMS TO AVOID DAMAGE AND/OR PERSONAL
INJURY.

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

Respiratory Protection:NO RESPIRATORY PROTECTION SHOULD BE NEEDED.

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

Protective Gloves:HMIS: WELDERS GLOVES

Eye Protection:SAFETY GLASSES(NORM
AL) OR WELDING LENSES

Other Protective Equipment:USE EQUIPMENT APPROPRIATE FOR WELDING
OPERATION. OTHER OPERATIONS USE NORMAL WORK CLOTHING.

Work Hygienic Practices:MFR: ? HMIS:USE GOOD INDUSTRIAL HYGIENE
PRACTICE. AVOID UNNECESSARY CONTACT. WASH THOROUGHLY BEFORE EATING
OR DRINKING.

Supplemental Safety and Health

KEY2:KT SEE NFPA BULLETIN NFPA 48.

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

HCC:N1

NRC/State Lic Num:NONE

Melt/Freeze Pt:M.P/F.P Text:830F,44

3C

Spec Gravity:1.82

Appearance and Odor:SILVER SOLID. NO ODOR.

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

Stability Indicator/Materials to Avoid:YES

ACID, WATER. - REACTS TO RELEASE HYDROGEN: AN EXPLOSIVE GAS.

Stability Condition to Avoid:STABLE UNDER NORMAL HANDLING CONDITIONS.

Hazardous Decomposition Products:NONE UNDER NORMAL USE OR STORAGE.

Conditions to Avoid Polymerization:WILL NOT OCCUR

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

Waste

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

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