

ATOMERGIC CHEMETALS CORP -- MAGNESIUM METAL POWDER -- 6810-00-935-5878

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Product Identification
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Product ID:MAGNESIUM METAL POWDER

MSDS Date:12/03/1986

FSC:6810

NIIN:00-935-5878

MSDS Number: BWDZP

=== Responsible Party ===

Company Name:ATOMERGIC CHEMETALS CORP

Address:222 SHERWOOD AVE.

City:FARMINGDALE

State:NY

ZIP:11735-1527

Country:US

Info Phone Num:516-694-9000

Emergency Phone Num:516

-694-9000

CAGE:1S133

=== Contractor Identification ===

Company Name:ATOMERGIC CHEMETALS CORP

Address:91 CAROLYN BLVD

Box:City:FARMINGDALE

State:NY

ZIP:11735-1527

Country:US

CAGE:1S133

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Composition/Information on Ingredients
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Ingred Name:MAGNESIUM

CAS:7439-95-4

RTECS #:OM2100000

Fraction by Wt: 100%

Other REC Limits:NONE RECOMMENDED

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Hazards Identification
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LD50 LC50 Mixture:TLV IS 430MG/DAY

Routes of Entry: Inhalation:YE

S Skin:NO Ingestion:NO

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

Health Hazards Acute and Chronic:ACUTE: EXPOSURE TO MAGNESIUM METAL OR OXIDE DUST SHOULD BE A LOW HEALTH RISK BY INHALATION. EXPOSURE TO MAGNESIUM OXIDE FUMES CAN RESULT IN METAL FUME FEVER. CHRONIC: NONE SPECIFIED BY MANUFACTURER.

Explanation of Carcinogenicity:THERE ARE NO INGREDIENTS ABOVE 0.1% WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP,IARC OR OSHA.

Effects of Overexposure:EYES: CORNEAL ABRASION. INHALATION: TEMPORARY

SYMPTOMS OF METAL FUME FEVER ARE FEVER, CHILLS, NAUSEA, VOMITING, AND MUSCULAR PAIN. MAGNESIUM METAL OR OXIDE DUST IS ONLY A NUISANCE DUST.

Medical Cond Aggravated by Exposure:INDIVIDUALS WITH A HISTORY OF RESPIRATORY CONDITIONS MAY BE AT INCREASED RISK.

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

First Aid:EYES: DO NOT FLUSH WITH WATER. REMOVE PARTICLES WITH COTTON TIP APPLICATOR. INHALATION: REMOVE VICTIM TO FRESH AIR. ONSET OF

SYMPTOMS OCCURS 4-12 HOURS AFTER EXPOSURE. RECOVERY IS USUALLY COMPLETE IN 24-48 HOURS. INGESTION: NO PROBLEM. INDUCE VOMITING.

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

Flash Point:NONE

Extinguishing Media:SMOTHER FIRES WITH DRY GRAPHITE,TALC,DRY SAND,OR METAL CLASS D EXTINGUISHING AGENTS. DO NOT USE FOAM, HALOGENS OR CO2.

Fire Fighting Procedures:FIREFIGHTERS, WEAR SCBA AND PROTECTIVE CLOTHING. USE OF WATER ON MOLTEN OR BURNING MAGNESIUM WILL PRODUCE

HYDROGEN GAS ON CONTACT AND MAY CAUSE AN EXPLOSION.

Unusual Fire/Explosion Hazard:FINE POWDER ARE EASILY IGNITED,AND BURN WITH INTENSE HEAT AND BRILLIANT WHITE FLAME;WEAR GLASSES. POWDERS MAY FORM EXPLOSIVE MIXTURES WITH AIR.

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

Spill Release Procedures:USE RESPIRATOR. AVOID DUSTING. USE NON-SPARKING TOOLS. CLEAN DRY POWDER MAY BE SWEEPED GENTLY TO AVOID DUSTING AND PLACED IN CLEAN DRUMS AND SEALED. WET

OR CONTAMINATED

MATERIAL SHOULD BE PLACED IN VENT ED CONTAINERS AND MOVED TO A REMOTE AREA.

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

Handling and Storage Precautions:GROUND ALL HANDLING AND TRANSFERRING OPERATIONS. STORE IN DOT APPROVED CONTAINERS. AVOID DIRECT VIEWING OF MAGNESIUM FIRES AS EYE INJURY MAY RESULT.

Other Precautions:PERIODIC MEDICAL EXAMINATIONS ARE RECOMMENDED FOR INDIVIDUALS REGULARLY EXPOSED TO DUST.

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===== Exposure Cont
rols/Personal Protection =====

Respiratory Protection:USE NIOSH/MSHA-APPROVED RESPIRATOR WITH DUST CARTRIDGE IF TLV IS EXCEEDED.

Ventilation:LOCAL EXHAUST TO MAINTAIN EXPOSURE LEVEL BELOW TLV.

Protective Gloves:PROTECTIVE GLOVES.

Eye Protection:SAFETY GLASSES W/SIDE SHIELD OR GOGGLES.

Other Protective Equipment:NONE.

Work Hygienic Practices:CONSTANT CLEANUP AND GOOD HOUSEKEEPING.

Supplemental Safety and Health
NONE.

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

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HCC:F8

Boiling Pt:B.P. Text:2025F,1107C

Melt/Freeze Pt:M.P/F.P Text:1202F,650C

Vapor Pres:1 @1150F

Spec Gravity:1.74

Solubility in Water:NEGLIGIBLE

Appearance and Odor:SILVER GRAY METALLIC POWDER,NO ODOR.

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

Stability Indicator/Materials to Avoid:YES

OXIDIZERS,MOISTURE,ACIDS.MAGNESIUM REACTS WITH WATER OR ACIDS TO FORM HYDROGEN.

Stability Condition to Avoid:MAGNESIUM POWDER CAN BE IGNITED AT AIR TEMPERATURES BELOW 90

OF.
Hazardous Decomposition Products:MAGNESIUM OXIDE.

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

Waste Disposal Methods:NOTIFY YOUR LOCAL ENVIRONMENTAL OFFICER. KEEP IN COVERED CONTAINERS PENDING DISPOSAL. DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

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