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

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

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

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

Ingred Name: MAGNESIUM

CAS:7439-95-4

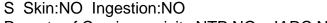
RTECS #:OM2100000 Fraction by Wt: 100%

Other REC Limits: NONE RECOMMENDED

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

LD50 LC50 Mixture:TLV IS 430MG/DAY

Routes of Entry: Inhalation:YE



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. IN

HALATION: 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.

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.

========= 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.

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

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

REMOTE AREA.
=========== 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.
====== 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.
======================================
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.
========= 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

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

OR CONTAMINATED

0F.
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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