

READE MFG CO INC -- MAGNESIUM POWDER -- 6810-00-935-5878

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Product Identification
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Product ID:MAGNESIUM POWDER

MSDS Date:06/14/1993

FSC:6810

NIIN:00-935-5878

MSDS Number: BTKSF

=== Responsible Party ===

Company Name:READE MFG CO INC

Address:RIDGEWAY BLVD

City:LAKEHURST

State:NJ

ZIP:08733

Country:US

Info Phone Num:800-424-9300

Emergency Phone Num:800-424-9300

CAGE:81454

=== Contractor Ide

ntification ===

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Address:RIDGEWAY BLVD

Box:City:LAKEHURST

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Composition/Information on Ingredients
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Ingred Name:MAGNESIUM

CAS:7439-95-4

RTECS #:OM2100000

Fraction by Wt: 99.8%

Other REC Limits:NONE RECOMMENDED

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Hazards Identification
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LD50 LC50 Mixture:TLV: 10 MG/M3

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:N

O IARC:NO OSHA:NO

Health Hazards Acute and Chronic:INHALATION-MAY IRRITATE MUCOUS MEMBRANES OR UPPER RESPIRATORY TRACT. EYES-MECHANICAL INJURY OR PARTICLES MAY EMBED IN EYE. SKIN-EMBEDDING OF PARTICLES IN SKIN. INGESTION-INGESTION IS UNLIKELY; HOWEVER , INGESTION OF LARGE AMOUNTS OF MAGNESIUM POWDER COULD CAUSE INJURY.

Explanation of Carcinogenicity:NOT CARCINOGENIC.

Effects of Overexposure:EXPOSURE TO MAGNESIUM OXIDE FUME SUBSEQUENT TO BURNING, WELDING OR MOLTEN METAL WORK CAN RESULT IN METAL FUME

FEVER. METAL FUME FEVER'S TEMPORARY SYMPTOMS INCLUDE FEVER, CHILLS, NAUSEA, VOMITING AND MUSCLE PAIN.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHALATION-REMOVE TO FRESH AIR IF INHALATION OCCURS. EYES-FLUSH EYES WITH WATER THOROUGHLY. CONSULT A PHYSICIAN. SKIN-WASH WITH SOAP & WATER THOROUGHLY TO REMOVE PARTICLES. INGESTION-IF LARGE AMOUNTS OF MAGNESIUM POWDER ARE INGESTED, INDUCE VOMITING AND CONSULT A PHYSICIAN.

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

Extinguishing Media:SMOTHER BURNING MAGNESIUM POWDER BY GENTLY COVERING WITH DRY AGENTS ONLY SUCH AS MELTING FLUX, DRY SAND, DRY TALC, ETC.

Fire Fighting Procedures:WEAR FIRE FIGHTING GLASSES WHEN FIGHTING FIRES. APPLY EXTINGUISHING AGENTS SLOWLY. USE SELF-CONTAINED BREATHING APPARATUS OR APPROACH FROM UP WIND. NO WATER.

Unusual Fire/Exp

losion Hazard:MAGNESIUM POWDER BURNS VIGOROUSLY ONCE IT IS IGNITED. MAGNESIUM POWDER CAN EXPLODE IF SUSPENDED IN AIR. DO NOT USE WATER, IT WILL ACT AS AN ACCELERANT.

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

Spill Release Procedures:MAGNESIUM POWDER IF SPILLED SHOULD BE PROMPTLY SWEEPED UP USING NATURAL FIBER BRUSHES OR BROOMS AND NON-SPARKING DUST PAN. THE POWDER SWEEPING MUST BE KEPT SEPERATE FROM OTHER TRASH AND REFUSE. IF THE POWDER IS DRY PLACE

IN A COVERED STEEL
DRUM.

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Handling and Storage
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Handling and Storage Precautions:STORE IN A DRY AREA, SEPERATED FROM
OTHER COMBUSTIBLE MATERIALS. THE POWDER MUST BE KEPT DRY & AWAY
FROM SOURCES OF HEAT OR IGNITION.

Other Precautions:MAGNESIUM POWDER MUST BE STORED IN TIGHTLY SEALED
STEEL DRUMS. EXPOSURE TO AIR OR HUMIDITY SHOULD BE AVOIDED. NO
SMOKING IN ANY AREA WHERE MAGNESIUM POWDER IS STORED.

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Exposure Control
s/Personal Protection
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Respiratory Protection:USE AN APPROVED DUST MASK OR RESPIRATOR.

Ventilation:EITHER EXTREME CARE IN HANDLING OR A VENTILATION SYSTEM
(EXPLOSION PROOF) IS NEEDED TO PREVENT ANY AIRBORNE CONC.

Protective Gloves:GLOVES RECOMMENDED.

Eye Protection:SAFETY GLASSES OR GOGGLES RECOMMENDED.

Other Protective Equipment:FLAME RESISTANT CLOTHING WITHOUT CUFFS OR
POCKETS IS RECOMMENDED. AVOID WEARING FABRICS THAT CAUSE STATIC
SPARKS.

Work Hygienic Practices:ACC

UMULATION OF MAGNESIUM POWDERS OR DUST MUST
BE PREVENTED. THOROUGH CLEANUP INCLUDING RAFTERS MUST BE DONE
FREQUENTLY.

Supplemental Safety and Health

WORK AREAS MUST BE KEPT CLEAN AT ALL TIMES.

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Physical/Chemical Properties
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HCC:R2

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

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

Spec Gravity:1.74

Solubility in Water:NONE

Appearance and Odor:SILVER GREY SOLID METALLIC POWDER, NO ODOR.

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Stability and Reactivit

y Data =====

Stability Indicator/Materials to Avoid: YES

ACIDS, WATER.

Stability Condition to Avoid: NO MOISTURE. KEEP AWAY FROM OPEN FLAME,
SPARKS, MODERATE HEAT AND SOURCES OF IGNITION.

Hazardous Decomposition Products: REACTS WITH ACID OR WATER TO PRODUCE
HYDROGEN GAS, WHICH IS FLAMMABLE & EXPLOSIVE.

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

Waste Disposal Methods: WASTE MAGNESIUM POWDER SHOULD BE DISPOSED OF
UNDER RELEVANT FEDERAL, STATE AND LOCAL REGULATIONS. MAGNESIUM IS A
RECYCLABLE MATERIAL AND REUSE OR RECYCLING ARE PREFERABLE TO OTHER
METHODS OF DISPOSAL.

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