General Information

Company's Name: J.T.BAKER CHEMICAL CO
Company's Street: 222 RED SCHOOL LANE
Company's City: PHILLPSBURG
Company's State: NJ
Company's Country: US
Company's Zip Code: 08865
Company's Emerg Ph #: 201-859-2151/800-424-9300 (CHEMTR)
Company's Info Ph #: 800-JTBAKER
Distributor/Vendor # 1: CAROLINA BIOGOLICAL SUPPLY CO
Distributor/Vendor # 1 Cage: 59896
Record No. For Safety Entry: 001
Tot Safety Entries This Stk#: 001
Status: SE
Date MSDS Prepared: 08APR95
Safety Data Review Date: 28AUG96
Supply Item Manager: CX
MSDS Serial Number: BZZBW
Hazard Characteristic Code: F7

Ingredients/Identity Information

Proprietary: NO
Ingredient: MAGNESIUM
Ingredient Sequence Number: 01
Percent: 99-100
NIOSH (RTECS) Number: OM2100000
CAS Number: 7439-95-4
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED
Other Recommended Limit: NONE RECOMMENDED

Physical/Chemical Characteristics

Appearance And Odor: SILVER METALLIC SHAVINGS. SOLID.
Melting Point: 1202F, 650C
Specific Gravity: 1.74
Solubility In Water: DECOMPOSES
Percent Volatiles By Volume: 0

Fire and Explosion Hazard Data

Extinguishing Media: SMOTHER WITH DRY SODA ASH. NEVER USE WATER OR CHEMICAL FIRE EXTINGUISHER.
Special Fire Fighting Proc: FIREFIGHTERS SHOULD WEAR PROPER PROTECTIVE EQUIPMENT AND SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN POSITIVE PRESSURE MODE.
Unusual Fire And Expl Hazards: REACTS VIOLENTLY WITH WATER PRODUCING HIGHLY FLAMMABLE VAPORS. CONTACT WITH STRONG OXIDIZERS MAY CAUSE FIRE OR EXPLOSION. WHEN HEATED IN AIR, MAGNESIUM IGNITES.

Reactivity Data

Stability: YES
Cond To Avoid (Stability): MOISTURE, HEAT, FLAME, OTHER SOURCES OF IGNITION.
Materials To Avoid: STRONG OXIDIZING AGENTS, STRONG ACIDS, WATER, HALOGENS, CYANIDES.
Hazardous Decomp Products: HYDROGEN, MAGNESIUM OXIDES FUMES.
Hazardous Poly Occur: NO
Conditions To Avoid (Poly): NOT APPLICABLE

Health Hazard Data

LD50-LC50 Mixture: TLV: 10 MG/M3
Route Of Entry - Inhalation: YES
Route Of Entry - Skin: YES
Route Of Entry - Ingestion: NO

Health Haz Acute And Chronic: INHALATION- IRRITATION OF MUCOUS MEMBRANES, LEUKOCYTOSIS. SKIN- MECHANICAL INJURY ONLY. EYES- MECHANICAL INJURY ONLY. INGESTION- INGESTION IS UNLIKELY DUE TO PHYSICAL STATE. INGESTION OF LARGE AMOUNTS COULD CAUSE SERIOUS INJURY, EVEN DEATH.
Carcinogenicity - NTP: NO
Carcinogenicity - IARC: NO
Carcinogenicity - OSHA: NO
Explanation Carcinogenicity: NONE IDENTIFIED.

Signs/Symptoms Of Overexp: INHALATION- TIGHTNESS AND PAIN IN CHEST, COUGHING, DIFFICULT BREATHING. TARGET ORGANS: RESPIRATORY SYSTEM, EYES.
Med Cond Aggravated By Exp: NONE IDENTIFIED.

Emergency/First Aid Proc: INGESTION- INDUCE VOMITING IF LARGE AMOUNTS OF DUST ARE INGESTED. CONSULT MEDICAL PERSONNEL. INHALATION- REMOVE TO FRESH AIR IF DUST INHALATION EFFECTS OCCUR. CONSULT A PHYSICIAN. SKIN- WASH OFF DUST IN FLOWING WATER OR SHOWER. EYES- IN CASE OF EYE CONTACT, IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES.

Precautions for Safe Handling and Use

Steps If Matl Released/Spill: WEAR SUITABLE PROTECTIVE CLOTHING. DO NOT USE WATER.
Waste Disposal Method: DISPOSE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.
Precautions-Handling/Storing: STORAGE COLOR CODE: RED STRIPE. KEEP CONTAINERS TIGHTLY CLOSED. STORE AWAY FROM WATER OR LOCATIONS WHERE WATER MAY BE USED TO EXTINGUISH FIRE.
Other Precautions: STORE IN A COOL, WELL-VENTILATED AREA AWAY FROM SOURCES OF HEAT, FLAME, OR IGNITION. STORE AWAY FROM OTHER COMBUSTIBLES IN METAL CABINET.

Control Measures

Respiratory Protection: NONE REQUIRED WHERE ADEQUATE VENTILATION CONDITIONS EXIST. IF AIRBORNE CONCENTRATION IS HIGH, A DUST/MIST RESPIRATOR IS RECOMMENDED. IF CONCENTRATIONS EXCEED CAPACITY OF RESPIRATOR, A SELF-CONTAINED BREATHING APPARATUS IS ADVISED.
Ventilation: USE ADEQUATE GENERAL OR LOCAL EXHAUST VENTILATION TO KEEP FUME OR DUST LEVELS AS LOW AS POSSIBLE.
Protective Gloves: PROTECTIVE GLOVES SHOULD BE WORN.
Eye Protection: FACE SHIELD SHOULD BE WORN.
Other Protective Equipment: PROTECTIVE CLOTHING SHOULD BE WORN
Work Hygienic Practices: WASH HANDS THOROUGHLY AFTER HANDLING THIS MATERIAL.
Suppl. Safety & Health Data: SPECIAL PRECAUTIONS; PROTECT CONTAINERS AGAINST PHYSICAL DAMAGE. WET, MOIST OR HIGH HUMIDITY STORAGE CONDITIONS WILL LEAD TO CORROSION OF THE PRODUCT. PRACTICE REASONABLE CARE IN HANDLING THIS PRODUCT.

Transportation Data

Trans Data Review Date: 96241
DOT PSN Code: IOP
DOT Proper Shipping Name: MAGNESIUM OR MAGNESIUM ALLOYS
DOT Class: 4.1
DOT ID Number: UN1869
DOT Pack Group: III
DOT Label: FLAMMABLE SOLID
IMO PSN Code: JCT
IMO Proper Shipping Name: MAGNESIUM
IMO Regulations Page Number: 4153
IMO UN Number: 1869
IMO UN Class: 4.1
IMO Subsidiary Risk Label: -
IATA PSN Code: PJK
IATA UN ID Number: 1869
IATA Proper Shipping Name: MAGNESIUM ALLOYS
IATA UN Class: 4.1
IATA Label: FLAMMABLE SOLID
AFI PSN Code: PJK
AFI Prop. Shipping Name: MAGNESIUM OR MAGNESIUM ALLOYS
AFI Class: 4.1
AFI ID Number: UN1869
AFI Pack Group: III
AFI Special Prov: A1
AFI Basic Pac Ref: A8.4
MMAC Code: NO

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Disposal Data
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Label Data
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Label Required: YES
Technical Review Date: 28AUG96
Label Status: F
Common Name: MAGNESIUM, TURNINGS
Chronic Hazard: YES
Signal Word: DANGER!
Acute Health Hazard-Slight: X
Contact Hazard-Slight: X
Fire Hazard-Moderate: X
Reactivity Hazard-Severe: X
Special Hazard Precautions: DANGER! FLAMMABLE SOLID. WATER RECTIVE......

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Protect Eye: Y
Protect Skin: Y
Protect Respiratory: Y
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