

ZINC NITRATE,4344,8808,8812

MSDS Number

CGMSZ

National Stock Number

6810-00-088-5528

Product Name

ZINC NITRATE,4344,8808,8812

Manufacturer

MALLINKRODT BAKER (FORMALLY J T BAKER COMPANY)

Product Identification

Product ID:ZINC NITRATE,4344,8808,8812

MSDS Date:12/08/1996

FSC:6810

NIIN:00-088-5528

MSDS Number: CGMSZ

Responsible Party

MALLINKRODT-BAKER (FORMALLY J.T. BAKER COMPANY)

222 RED SCHOOL LANE

PHILLIPSBURG , NJ 08865-2219

US

Emergency Phone: 908-859-2151/800-424-9300(CHEMTREC)

Info Phone: 800-582-2537 EXT 6501

Cage: EO303

Contractor

MALLINKRODT-BAKER (FORMALLY J.T. BAKER COMPANY)

NONE

PHILLIPSBURG, NJ 08865-2219

US

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Cage: EO303

Ingredients

ZINC NITRATE (SARA 313) (CERCLA)

CAS: 7779-88-6

RTECS: ZH4772000

Fraction By Weight: 99- 100%

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

Hazards

LD50 LC50 Mixture:LD50 (ORAL, RAT) 1400 MG/KG

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

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

Health Hazards Acute and Chronic:TARGET ORGANS:EYES, SKIN, RESPIRATORY AND GASTROINTESTINAL TRACTS. ACUTE- EYE OR SKIN CONTACT MAY CAUSE IRRITATION AND PAIN. INHALATION CAUSES RESPIRATORY TRACT IRRITATION. INGESTION CAUSES GASTROINTESTINAL IRRITATION. CHRONIC-ZINC SALTS ARE ELIMINATED FAIRLY PROMPTLY, MAKING CHRONIC EFFECTS

LESS THAN ACUTE.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:IRRITATION, DISCOMFORT, PAIN, TEARING, BLURRING OF VISION, NAUSEA, VOMITING, COUGHING, SHORTNESS OF BREATH, METHEMOGLOBINEMIA, FAINTNESS, BLUISH LIPS AND SKIN, ITCHING

First Aid

First Aid:GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALED:MOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED. EYES:IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. CALL PHYSICIAN AT ONCE. SKIN:FLUSH W ITH PLENTY OF WATER IMMEDIATELY. ORAL:DO NOT INDUCE VOMITING. IF CONSCIOUS, DRINK PLENTY OF WATER. SEEK IMMEDIATE MEDICAL ATTENTION. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

Fire Fighting

Flash Point:NONE

Lower Limits:NOT RELEVANT

Upper Limits:NOT RELEVANT

Extinguishing Media:WATER SPRAY OR WATER, FOAM OR DRY CHEMICAL. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:STRONG OXIDIZER. INCREASES FLAMMABILITY OF COMBUSTIBLE SUBSTANCES. IN CONTACT WITH EASILY OXIDIZABLE SUBSTANCES, IT MAY REACT RAPIDLY ENOUGH TO IGNITE/EXPLODE.

Accidental Release

Spill Release Procedures:WEAR PROTECTIVE CLOTHING AND RESPIRATORY EQUIPMENT. SWEEP, SCOOP OR PICK UP SPILLED MATERIAL. AVOID DUST DISPERSAL. PACKAGE FOR DISPOSAL. WASH SPILL AREA TO REMOVE RESIDUAL CONTAMINATION. REPORT SPILL TO AUTHORITIES IF REQUIRED (800-424-8802).

Neutralizing Agent:NOT RELEVANT

Handling

Handling and Storage Precautions:STORE IN COOL, DRY, VENTILATED PLACE AWAY FROM INCOMPATIBLE MATERIALS. KEEP CONTAINER TIGHTLY CLOSED. PROTECT AGAINST PHYSICAL DAMAGE.

Other Precautions:DO NOT TAKE INTERNALLY. AVOID BREATHING DUSTS. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE. KEEP OUT OF REACH OF CHILDREN. AVOID DUST ACCUMULATION. OBSERVE ALL WARNINGS LISTED FOR THE PRODUCT.

Exposure Controls

Respiratory Protection:NONE NEEDED. IF AIRBORNE CONCENTRATIONS ARE HIGH, WEAR NIOSH-APPROVED RESPIRATOR FOR DUST OR DUST MASK. IN EMERGENCIES OR INSTANCES WHERE THE EXPOSURE LEVELS ARE NOT KNOWN, USE A FULL-FACE POSITIVE PRESSURE AIR-SUPPLIED RESPIRATOR.

Ventilation:USE GENERAL OR LOCAL EXHAUST VENTILATION TO KEEP FUME OR DUST LEVELS AS LOW AS POSSIBLE.

Protective Gloves:NATURAL RUBBER

Eye Protection:DUST-RESISTANT GOGGLES

Other Protective Equipment:EYEBATH, WASHING FACILITY, SAFETY SHOWER

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH AFTER HANDLING AND BEFORE EATING OR DRINKING.

Supplemental Safety and Health

Chemical Properties

HCC:D1

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:221F,105C

Melt/Freeze Pt:M.P/F.P Text:97.0F,36.1C

Spec Gravity:2.07

Viscosity:NOT RELEVANT

Evaporation Rate & Reference: NOT RELEVANT
Solubility in Water: 200 G/100 G
Appearance and Odor: COLORLESS OR WHITE CRYSTALS OR FLAKES - SLIGHT
NITRIC ACID ODOR

Stability

Stability Indicator/Materials to Avoid: YES
METAL POWDERS, CYANIDES, SODIUM HYPOPHOSPHITE, STANNOUS CHLORIDE, P,
THIOCYANATES, C, METALLIC SULFIDES, S, ORGANICS
Stability Condition to Avoid: HEAT, FLAMES, IGNITION SOURCES
Hazardous Decomposition Products: TOXIC FUMES OF NITROGEN OXIDES, ZINC
OXIDE

Disposal

Waste Disposal Methods: DISPOSE IN ACCORDANCE WITH APPLICABLE FEDERAL,
STATE & LOCAL ENVIRONMENTAL REGULATIONS. REUSING OR RECYCLING IS
RECOMMENDED.

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