

SODIUM NITRITE

MSDS Number

BDMJM

National Stock Number

6810-00-241-1140

Product Name

SODIUM NITRITE

Manufacturer

J T BAKER INC

Product Identification

Product ID:SODIUM NITRITE

MSDS Date:04/14/1988

FSC:6810

NIIN:00-241-1140

MSDS Number: BDMJM

Responsible Party

J.T.BAKER INC.

222 RED SCHOOL LANE

PHILLIPSBURG , NJ 08865

Emergency Phone: 201-859-2151 OR 800-424-9300CHEMTRE

Info Phone: 201-859-2151

Cage: HO852

Contractor

MALLINCKRODT BAKER, INC.

PHILLIPSBURG, NJ 08865

US

800-582-2537

Cage: 70829

Ingredients

SODIUM NITRITE (SARA III)

CAS: 7632-00-0

RTECS: RA1225000

Fraction By Weight: >97%

EPA Report Quantity: 100 LBS

DOT Report Quantity: 100 LBS

Hazards

LD50 LC50 Mixture:LD50 ORAL RAT=85MG/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:SEE SIGNS & SYMPTOMS OF OVEREXPOSURE.

Explanation of Carcinogenicity:NITROSAMINE FORMATION MAY OCCUR WHEN SODIUM NITRITE CONTACTS SECONDARY/TERTIARY AMINES.NITROSAMINES ARE POT. CARCINOGENS

Effects of Overexposure:EYES/SKIN:IRRITATION;INHALATION:IRRITATION TO UPPER RESPIRATORY TRACT;INGESTION:IRRITATION & BURNING TO MOUTH & STOMACH.INGESTION OF LARGE QUANTITIES MAY CAUSE NAUSEA,VOMITING,CYANOSIS,CONVULSIONS & C OMA.

Medical Cond Aggravated by Exposure:NONE IDENTIFIED.

First Aid

First Aid:EYES:IMMEDIATELY FLUSH WITH PLENTY OF WATER;SKIN:FLUSH WITH WATER;INHALATION:REMOVE TO FRESH AIR.GIVE OXYGEN/CPR IF NEEDED;INGESTION:IF CONSCIOUS,GIVE LARGE AMOUNTS OF WATER.INDUCE VOMIT.

Fire Fighting

Extinguishing Media:WATER SPRAY

Fire Fighting Procedures:WEAR SCBA & PROTECTIVE EQUIPMENT.MOVE CONTAINERS FROM FIRE AREA IF POSSIBLE.USE WATER SPRAY TO KEEP FIRE EXPOSED CONTAINERS COOL.

Unusual Fire/Explosion Hazard:STRONG OXIDIZER.CONTACT WITH OTHER MATERIAL MAY CAUSE FIRE.CAN REACT VIOLENTLY WITH SHOCK,FRICITION OR HEAT.

Accidental Release

Spill Release Procedures:SWEEP UP DRY SPILLS.SM SPILLS:FLUSH AWAY WITH WATER.AVOID CONTAMINATING SEWERS,STREAMS,PONDS,ETC.AVOID COMBUSTIBLES,THEY CAN BE SERIOUS FIRE HAZARD. LG SPILL:DIKE FOR LATER DISPOSAL.

Handling

Handling and Storage Precautions:STORE IN COOL,DRY PLACE AWAY FROM COMBUST,ACIDS,REDUCERS.STORE IN NON-COMBUST BUILDING.MIX WITH INCOMPATIBLES MAY CAUSE EXPLOSION.

Other Precautions:SODIUM NITRITE SHOULD NOT BE MIXED WITH OTHER CHEMICALS UNLESS THE REACTION IS KNOWN IN ADVANCE.

Exposure Controls

Respiratory Protection:DUST/MIST RESPIR,RECOMMENDED FOR SODIUM NITRITE DUST (NIOSH APPRD)

Ventilation:LOCAL EXHAUST TO ELIMINATE MISTS/FUMES/GASES,DUSTS.

Protective Gloves:RUBBER

Eye Protection:GOGGLES/FACE SHIELD

Other Protective Equipment:RUBBER SHOES,RUBBER APRON,OTHER PROTECTIVE CLOTHING.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health
MATERIAL IS HYGROSCOPIC.

Chemical Properties

HCC:D1

Boiling Pt:B.P. Text:608F(320C)

Melt/Freeze Pt:M.P/F.P Text:520F(271C)

Vapor Density:2.4

Spec Gravity:2.17

Evaporation Rate & Reference:N/A(SOLID)

Solubility in Water:APPRECIABLE

Appearance and Odor:WHITE TO YELLOW GRANULES OR POWDER.ODORLESS.

Percent Volatiles by Volume:0

Stability

Stability Indicator/Materials to Avoid:YES

CYANIDES,STRONG ACIDS,STRONG REDUCERS,COMBUSTIBLE MATERIAL,ORGANIC MATERIALS,AMMONIUM SALTS.

Stability Condition to Avoid:SHOCK,FRICITION,HEAT,FLAME,MOISTURE

Hazardous Decomposition Products:NITROGEN OXIDES AND OTHER OXIDES;
TOXIC FUMES; FLAM GAS

Disposal

Waste Disposal Methods:ELIMINATE IGN. SOURCES. CONTACT QUALIFIED SUPPLIER FOR DISPOS METHODS, OR SORT, CLASSIFY & PUT IN A BOX PROPERLY LABELED. SALVAGE FOR REUSE OR DISPOSE OF AS SCRAP.

PACKAGE & DISPOSE ACCORDANCE W/LOCA L, & FED REGS/ TRANSPORT TO REFINERY FOR RECYCLING

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