

MALLINKRODT BAKER INC -- SODIUM BISULFATE, 3556 -- 6810-00-197-9788

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Product Identification
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Product ID:SODIUM BISULFATE, 3556
MSDS Date:12/08/1996
FSC:6810
NIIN:00-197-9788
Status Code:A
MSDS Number: CJCKZ
=== Responsible Party ===
Company Name:MALLINKRODT BAKER INC
Address:222 RED SCHOOL LANE
City:PHILLIPSBURG
State:NJ
ZIP:08865
Country:US
Info Phone Num:800-582-2537
Emergency Phone Number:908-859-2151;800-424-9300(CHEMTREC)
CAGE:IO255
=== Contractor Identification ===
Company Name:MALLINKRODT BAKER, INC.
Address:222 RED SCHOOL LANE
Box:City:PHILLIPSBURG
State:NJ
ZIP:08865
Country:US
Phone:800-582-2537
CAGE:70829
Company Name:MALLINKRODT BAKER INC
Address:222 RED SCHOOL LANE
Box:M
City:PHILLIPSBURG
State:NJ
ZIP:08865
Country:US
Phone:800-582-2537
CAGE:IO255

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Composition/Information on Ingredients
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Ingred Name:SODIUM BISULFITE (SARA III) (CERCLA)

LD50 (ORAL RAT): 2000
MG/KG

CAS:7631-90-5

RTECS #:VZ2000000

Fraction by Wt: 58-99%

OSHA PEL:5 MG/M3

ACGIH TLV:5 MG/M3

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:SODIUM METABISULFITE

CAS:7681-57-4

RTECS #:UX8225000

Fraction by Wt: 1-42%

OSHA PEL:5 MG/M3

ACGIH TLV:5 MG/M3

Ingred Name:SPILL PROC: SULFUR DIOXIDE FUMES GENERATED FROM WATER CONT.
US REGS (CERCLA) REQUIRE REPORTING SPILLS & RELEASES (ING 4)

RTECS #:9999999ZZ

Ingred Name:ING 3: TO SOIL, WATER & AIR IN EXCESS OF REP
ORTABLE QTYS.

US COAST GUARD NATL RESPONSE CTR TOLL FREE #: (800) 424-8802.

RTECS #:9999999ZZ

Ingred Name:WASTE DISP METH: DISPOSE OF CONTAINER AND UNUSED CONTENTS
IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REQUIREMENTS.

RTECS #:9999999ZZ

Ingred Name:RESP PROT: PIECE RESP W/ACID GAS CARTRIDGE MAY BE WORN UP
TO 50 TIMES EXPOS LIM/MAX USE CONC SPECIFIED BY APPROP (ING 7)

RTECS #:9999999ZZ

Ingred Name:ING 6: REGULATORY AGENCY/RESP SUPPLIER, WHICHEVER IS
LOWEST. FOR EMER/INSTANCE

S WHERE EXPOS LEVELS ARE NOT (ING 8)

RTECS #:9999999ZZ

Ingred Name:ING 7: KNOWN, USE A NIOSH APPRVD FULL-FACEPIECE POS PRESS,
AIR-SUPPLIED RESP. WARNING: AIR-PURIFYING RESPS DO (ING 9)

RTECS #:9999999ZZ

Ingred Name:ING 8: NOT PROTECT WORKERS IN OXYGEN-DEFICIENT ATMOSPHERES.

RTECS #:9999999ZZ

Ingred Name:VENT: BECAUSE IT CAN CTL EMISSIONS OF CONTAM AT ITS SOURCE,
PREVENTING DISPERSION OF IT INTO GEN WORK AREA. (ING 11)

RTECS #:9999999ZZ

Ingred Name:ING 10: PLEASE REFER TO ACGIH DOCUME

NT, INDUS VENT, A

MANUAL OF RECOMMENDED PRACTICES, MOST RECENT EDITION, FOR DETAILS.
RTECS #:9999999ZZ

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

LD50 LC50 Mixture:SEE INGREDIENT 1.

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

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

Health Hazards Acute and Chronic:ACUTE: INHAL: CAUSES IRRIT TO RESP

TRACT. SYMPS MAY INCL COUGHING, SHORTNESS OF BREATH. MAY CAUSE
ALLERGIC RXN IN SENSITIVE INDIVIDUALS

. INGEST: MAY CAUSE GASTRIC

IRRIT BY LIBERATION OF SULFUROUS ACID . ASTHMATIC RXN MAY OCCUR
AFTER INGEST.LGE DOSES MAY RSLT IN NAUS, VOMIT, DIARR, ABDOM PAINS,
(EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT.

Effects of Overexposure:HLTH HAZ: CIRCULATORY DISTURB, & CNS DEPRESS.

ESTIMATED FATAL DOSE IS 10 GM. SKIN: CAUSES IRRIT. SYMPS INCL
REDNESS, ITCH, & PAIN. EYES: CAUSES IRRIT, REDNESS, & PAIN. CONT
MAY CAUSE IRREVERSIBLE DMG. SYMPS MAY INCL STINGING, TE

ARING,

REDNESS, SWELL, CORNEAL DMG & BLINDNESS. CHRONIC: NONE SPECIFIED BY
MANUFACTURER.

Medical Cond Aggravated by Exposure:SOME INDIVIDUALS ARE SAID TO BE

DANGEROUSLY SENSITIVE TO MIN AMTS OF SULFITES IN FOODS. SYMPS MAY
INCL BRONCHO CONSTRICTION, SHOCK, GI DISTURBS, ANGIO EDEMA,
FLUSHING, & TINGLING SENSATIONS. (SUP DAT)

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

First Aid:INHAL: REMOVE TO FRESH AIR. IF NOT BRTHG, GIVE ARTF RESP. IF
BRTHG IS

DFCLT, GIVE OXYGEN. INGEST: INDUCE VOMIT IMMED AS DIRECTED

BY MED PERS. NEVER GIVE ANYTHING BY MOUTH TO AN UNCON PERS. GET MED
ATT N. SKIN: WIPE OFF EXCESS MATL FROM SKIN THEN IMMED FLUSH
W/PLENTY OF WATER FOR AT LEAST 15 MINS. REMOVE CONTAM CLTHG &
SHOES. GET MED ATTN. WASH CLTHG BEFORE REUSE. THORO CLEAN SHOES
BEFORE (SUP DAT)

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

Extinguishing Media:USE ANY MEANS SUITABLE FOR SURROUNDING FIRE. DO NOT
AL

LOW WATER RUNOFF TO ENTER SEWERS OR WATERWAYS.

Fire Fighting Procedures:WEAR NIOSH APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT .

Unusual Fire/Explosion Hazard:NOT CONSIDERED TO BE A FIRE OR EXPLOSION HAZARD.

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

Spill Release Procedures:VENT AREA OF LEAK/SPILL. WEAR APPROP PERS PROT EQUIP AS SPECIFIED. SPILLS: PICK UP & PLACE IN SUITABLE CONTR FOR RECLAMATION/DISP, USING METH THAT DOES NOT GENERATE DUST.

CAUTIO

USLY SPRAY RESIDUE W/PL ENTY OF WATER, PROVIDING VENT TO CLEAR (ING 3)

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

===== Handling and Storage =====

Handling and Storage Precautions:KEEP IN TIGHTLY CLSD CONTAINER.

PROTECT FROM PHYSICAL DAMAGE. STORE IN COOL, DRY VENTILATED AREA AWAY FROM SOURCES OF HEAT, MOISTURE & INCOMPATIBLES.

Other Precautions:RELEASES TOXIC SULFUR DIOXIDE GAS WHEN IN CONTACT WITH WATER, ICE. CONTAINERS OF THIS MATER

IAL MAY BE HAZARDOUS WHEN

EMPTY SINCE THEY RETAIN PRODUCT RESIDUES (DUST, SOLIDS); OBSERVE ALL WARNINGS AND P RECAUTIONS LISTED FOR THE PRODUCT.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:IF EXPOS LIM IS EXCEEDED, A NIOSH APPRVD

HALF-FACE RESP W/ACID GAS CARTRIDGE MAY BE WORN FOR UP TO 10 TIMES EXPOS LIM/MAX USE CONC SPECIFIED BY APPROP REGULATORY AGENCY/RESP SUPPLIER, WHICHEVER IS LOW EST. A NIOSH APPRVD FULL-FACE (ING 6)

Ven

tilation:A SYS OF LOC &/OR GEN EXHST IS REC TO KEEP EMPLOYEE EXPOS BELOW AIRBORNE EXPOS LIMS. LOC EXHST VENT IS GEN PEF (ING 10)

Protective Gloves:IMPERVIOUS GLOVES.

Eye Protection:ANSI APPRVD CHEM WORKERS GOGGLES .

Other Protective Equipment:ANSI APPRVD EMER EYEWASH & DELUGE SHOWER .

WEAR IMPERVIOUS PROT CLTHG INCL BOOTS, LAB COAT, APRON/COVERALLS.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

MED CNDTNS: ONCE ALLERGY DEVELOPS, FUTURE EXPOS CAN

CAUSE ASTHMA

ATTACKS W/SHORTNESS OF BREATH, WHEEZING, & COUGH. FIRST AID PROC:
REUSE. EYES: IMMED FLUSH W/PLENTY OF WATER FOR AT LEAST 15 MINS,
LIFT ING LOWER & UPPER EYELIDS OCCAS. GET MEDATTN IMMED.

===== Physical/Chemical Properties =====

Melt/Freeze Pt:M.P/F.P Text:302F,150C

Spec Gravity:1.48

Solubility in Water:VERY SOLUBLE

Appearance and Odor:COARSE WHITE GRANULES WITH SLIGHT ODOR OF SULFUR
DIOXIDE.

===== Stability and Reactivity

Data =====

Stability Indicator/Materials to Avoid:YES

WATER, ACIDS, ALKALIS, SODIUM NITRITE, OXIDIZERS, ALUMINUM POWDER.

Stability Condition to Avoid:MOISTURE, HEAT, FLAMES, IGNITION SOURCES
AND INCOMPATIBLES.

Hazardous Decomposition Products:BURNING MAY PRODUCE SULFUR OXIDE.

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

Waste Disposal Methods:WHATEVER CANNOT BE SAVED FOR RECOVERY/RECYCLING
SHOULD BE MANAGED IN APPROP & APPRVD WASTE DISP FACILITY.

PROCESSING, USE/CONTAM OF THIS PROD MAY CHANGE WASTE MANAGEMENT
OPTIONS. STATE & LOC REGS MAY DIFFER FROM FED DISP REGS. (ING 5)

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