

MALLINCKRODT INC. SCIENCE PRODUCTS DIVISION -- SODIUM METABISULFITE --
6810-00-281-4255

===== Product Identification =====

Product ID:SODIUM METABISULFITE

MSDS Date:01/21/1986

FSC:6810

NIIN:00-281-4255

MSDS Number: BWPDR

=== Responsible Party ===

Company Name:MALLINCKRODT INC. SCIENCE PRODUCTS DIVISION

Address:PARIS BYPASS

Box:M

City:PARIS

State:KY

ZIP:40361

Country:US

Info Phone Num:800-325-8888

Emergency Phone Num:800-354-2050/314-982-5000

CAGE:62910

=== Contractor Identification ===

Company Name:LAPINE SCIENTIFIC CO

Address:13636 WESTERN AVE

Box:780

City:BLUE ISLAND

State:IL

ZIP:60406-0780

Country:US

Phone:312-388-4030

CAGE:35051

Company Name:MALLINCKRODT SPECIALTY CHEMICALS CO

Address:222 RED SCHOOL LANE

Box:City:PHILLIPSBURG

State:NJ

ZIP:08865

Country:US

Phone:908-859-2151

CAGE:62910

===== Composition/Information on Ingredients =====

Ingred Name:SODIUM METABISULF

ITE
CAS:7681-57-4
RTECS #:UX8225000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:5 MG/M3
ACGIH TLV:5 MG/M3; 9495

Ingred Name:SODIUM BISULFITE (SASA III) (CERCLA)
CAS:7631-90-5
RTECS #:VZ2000000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:5 MG/M3
ACGIH TLV:5 MG/M3; 9495
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

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

LD50 LC50 Mixture:LD50(ORAL,RAT):2,000 MG/KG(NA BISULFITE)
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Repos
rts of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:TARGET ORGANS:EYES, SKIN, RESPIRATORY
& GI TRACTS. ACUTE- MAY IRRITATE SKIN, EYES, RESPIRATORY & GI
TRACTS. IF LARGE DOSES INGESTED, CAN CAUSE DIARRHEA, CIRCULATORY
DISTURBANCE AND CNS DEPRESSION. ESTIMATED FATAL DOSE IS 10 GRAMS.
MAY CAUSE EYE PAIN. CHRONIC- UNKNOWN.
Explanation of Carcinogenicity:NONE
Effects of Overexposure:IRRITATION, PAIN, NAUSEA, VOMITING, DIARRHEA,
HEADACHE, DIZZINESS,
CONFUSION, INCOORDINATION
Medical Cond Aggravated by Exposure:SENSITIVITY TO SULFITES

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

First Aid:CALL A DOCTOR IF SYMPTOMS PERSIST. EYE:IMMEDIATELY FLUSH WITH
WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. SKIN:WASH WITH SOAP &
WATER. INHALED:REMOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED.
ORAL:IF CONSCIOUS, DRINK TWO GLASSES OF WATER OR MILK & INDUCE
VOMITING. CALL A PHYSICIAN/POISON CONTROL CENTER IMMEDIATELY

. NEVER
GIVE FLUID OR INDUCE VOMITING IF PATIENT IS UNCONSCIOUS OR HAS
CONVULSIONS.

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

Flash Point:NONE
Extinguishing Media:WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL
FOR SURROUNDING FIRE. 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 THE POSITIVE PRESSURE
MODE.
Unusual Fire/Explosion Hazard:NOT CONSIDERED TO BE A FIRE OR AN
EXPLOSION HAZARD.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. VENTILATE AREA.
WITH CLEAN DRY SHOVEL, PLACE MATERIAL INTO A CLEAN DRY CONTAINER
AND COVER. MOVE CONTAINERS FROM SPILL AREA. WASH SPILL SITE AFTER
PICKUP IS COMPLETE.
Neutralizing Agent:NOT RELEVANT

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

Handl
ing and Storage Precautions:STORE IN A COOL, DRY, VENTILATED AREA
AWAY FROM MOISTURE & INCOMPATIBLE MATERIALS. KEEP CONTAINER TIGHTLY
CLOSED.
Other Precautions:DO NOT GENERATE DUST. AVOID BREATHING DUST. DO NOT
GET IN EYE, ON SKIN OR ON CLOTHING. WASH THOROUGHLY AFTER HANDLING
AND BEFORE EATING OR DRINKING. USE WITH ADEQUATE VENTILATION. KEEP
OUT OF REACH OF CHILDREN. NOT FOR FOOD USE.

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

Respiratory Protecti
on:NONE NORMALLY REQUIRED. IF AIRBORNE
CONCENTRATION IS HIGH, WEAR A NIOSH-APPROVED DUST RESPIRATOR OR
DUST MASK. IN EMERGENCY, WEAR NIOSH-APPROVED SELF-CONTAINED
BREATHING APPARATUS.
Ventilation:PROVIDE MECHANICAL VENTILATION SYSTEM.
Protective Gloves:LATEX/RUBBER FOR REPEATED CONTACT
Eye Protection:CHEMICAL SAFETY GOGGLES
Other Protective Equipment:EYE WASH STATION, QUICK DRENCH SHOWER AND
IMPERVIOUS CLOTHING
Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND

RECOMMENDED PROCEDURES.
Supplemental Safety and Health

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

HCC:N1
NRC/State Lic Num:NOT RELEVANT
Melt/Freeze Pt:M.P/F.P Text:DECOMPOSES
Decomp Temp:Decomp Text:>302F,>150C
Spec Gravity:1.48
Evaporation Rate & Reference:NOT RELEVANT
Solubility in Water:VERY SOLUBLE
Appearance and Odor:WHITE TO YELLOW WHITE CRYSTALLINE GRANULES - SLIGHT
ODOR OF SULFUR DIOXIDE

===== Stability and Reactivity Data =====

=====

Stability Indicator/Materials to Avoid:YES
ACIDS, OXIDIZING AGENTS, ALUMINUM POWDER
Stability Condition to Avoid:HIGH HEAT
Hazardous Decomposition Products:THERMAL DECOMPOSITION MAY RELEASE
TOXIC OXIDES OF SULFUR & TOXIC SODIUM OXIDE.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE
AND FEDERAL REGULATIONS. REPORTABLE QUANTITY (RQ) 5000 LBS SODIUM
BISULFITE.

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.