

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

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===== 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

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

Ingred Name:SODIUM METABISUL

FITE  
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  
Rep  
orts 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. ES TIMATED 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:I F CONSCIOUS, DRINK TWO GLASSES OF WATEROR MILK & INDUCE  
VOMITING. CALL A PHYSICIAN/POISON CONTROL CENTER IMMEDIATEL

Y. 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 =====

Hand

ling 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 Protect

ion: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 AN

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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 =====

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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.

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