

MALLINCKRODT INC SCIENCE PRODUCTS DIVISION -- SODIUM DICHROMATE -- 6810-00-143-2000
===== Product Identification =====

Product ID:SODIUM DICHROMATE

MSDS Date:04/06/1989

FSC:6810

NIIN:00-143-2000

MSDS Number: BMTVB

=== 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:314-982-5000

Emergen

cy Phone Num:314-982-5000

CAGE:62910

=== Contractor Identification ===

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 DICHROMATE (SARA III)

CAS:10588-01-9

RTECS #:HX7700000

Fraction by Wt: 100%

Other REC Limits:NONE SPECIFIED

OSHA PEL:0.1 PPM CRO3;CEILING

ACGIH TLV:0.05 MG CR/M3; 9192

EPA Rpt Qty

:10 LBS
DOT Rpt Qty:10 LBS

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

LD50 LC50 Mixture:LD50 (ORAL RAT) IS 50 MG/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO
Health Hazards Acute and Chronic:INHALATION-CORROSIVE ACTION ON MUCOUS
MEMBRANES & RESPIRATORY TRACT. INGESTION-CORROSIVE TO THE MOUTH &
GASTROINTESTINAL TRACT. SKIN-MAY PRODUCE SKIN RASHES & ULCERS.
EYE-MAY CAUSE CONJUNCTIVITIS. CH
R ONIC: SKIN-INCAPACITATING
DERMATITIS. INHALATION-PERFORATION OF NASAL SEPTUM, TOXIC TO
KIDNEY, LIVER & GI TRACT.
Explanation of Carcinogenicity:IARC CARCINOGENICITY EVALUATION:
"SUFFICIENT".
Effects of Overexposure:INHALATION-NASAL IRRITATION AND BURNING
SENSATION IN THE THROAT. INGESTION-ABDOMINAL PAIN, DIZZINESS,
VOMITING, INTENSE THIRST, SHOCK AND KIDNEY FAILURE.
EYE-CONJUNCTIVITIS.
Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN OR
EYE PROBLEM
S, OR IMPAIRED LIVER, KIDNEY OR RESPIRATORY FUNCTION MAY
BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS SUBSTANCE.

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

First Aid:EYES: FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION
IMMEDIATELY. SKIN: REMOVE CLOTHING. WIPE OFF EXCESS & WASH SKIN
WITH PLENTY OF WATER FOR AT LEAST 15 MIN. SEE PHYSICIAN.
INHALATION: REMOVE TO FRESH AIR. GIVE CPR/OXYGEN IF NOT BREATHING.
INGESTION: INDUCE VOMITING IMMEDIATELY
BY GIVING 2 GLASSES OF WATER
& STICKING FINGER DOWN THROAT. CALL PHYSICIAN IMMEDIATELY.

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

Flash Point:NOT FLAMMABLE
Extinguishing Media:USE ANY MEANS SUITABLE FOR EXTINGUISHING
SURROUNDING FIRE. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.
Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING & NIOSH-APPROVED
SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN
THE PRESSURE DEMAND OR POSITIVE PR

ESSURE MODE.

Unusual Fire/Explosion Hazard:STRONG OXIDANTS MAY EXPLODE WHEN SHOCKED, OR IF EXPOSED TO HEAT, FLAME OR FRICTION. ALSO MAY ACT AS INITIATION SOURCE FOR DUST OR VAPOR EXPLOSION.

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

Spill Release Procedures:REMOVE IGNITION SOURCES. WEAR PROTECTIVE CLOTHING/RESPIRATORS. CAREFULLY SWEEP UP & PLACE IN METAL CONTAINER FOR DISPOSAL. FLUSH SPILL AREA WITH DILUTE FERROUS SULFATE OR SODIUM SULFITE & DISCARD TO S EWER. NEUTRALIZE REAMINING TRACES WITH SODA ASH.

Neutralizing Agent:FERROUS SULFATE, SODIUM SULFITE, SODA ASH.

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

Handling and Storage Precautions:STORE IN DRY, WELL VENTILATED AREA IN SUITABLE TIGHTLY CLOSED CONTAINERS. AVOID WOODEN FLOORS & CONTACT WITH REDUCING AGENTS.

Other Precautions:AVOID CONTACT WITH SKIN, EYES OR CLOTHING. AVOID BREATHING DUST OR MIST FROM SOLUTION. HANDLE CAREFULLY IN A MANNER THAT MINIMIZES DUSTING AND SPLASHES.

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

Respiratory Protection:WHERE REQUIRED, USE NIOSH/MSHA APPROVED HIGH-EFFICIENCY DUST RESPIRATOR AND MIST RESPIRATOR, AS APPLICABLE. FOR SOME EXPOSURE, A NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS OR SUPPLIED AIR RESPI RATOR MAY BE NECESSARY.

Ventilation:A SYSTEM OF LOCAL &/OR GENERAL EXHAUST IS RECOMMENDED TO KEEP EXPOSURE BELOW THE AIRBORNE EXPOSURE LIMITS.

Protective

Gloves:WEAR GLOVES

Eye Protection:CHEMICAL SAFETY GLASSES/FACE SHIELD

Other Protective Equipment:WEAR IMPERVIOS CLOTHING, INCLUDING, BOOTS, LAB COAT, APRON OR COVERALLS. EMERGENCY EYE WASH AND SAFETY SHOWER.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING, DRINKING OR SMOKING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health
DO NOT WEAR CONTACT LENSES.

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

HCC:D1
Boi

ling Pt:B.P. Text:DECOMP 400C

Melt/Freeze Pt:M.P/F.P Text:675F,357C

Vapor Pres:0 @20C

Spec Gravity:2.35

Solubility in Water:SOLUBLE IN WATER 73%

Appearance and Odor:ORANGE-RED CRYSTALS OR GRANULES. ODORLESS.

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

Stability Indicator/Materials to Avoid:YES

HYDRAZINE, ACETIC ANHYDRIDE, ETHANOL, TRINITROTOLUENE, STRONG ACIDS, HYDROXYLAMINE, OXIDIZING MATERIALS.

Stability Condition to Avoid:SUBSTANCE IS A STRONG OXIDIZER & ITS HEAT

OF REACTION WITH REDUCING AGENTS OR COMBUSTIBLES MAY CAUSE IGNITION.

Hazardous Decomposition Products:OXIDES OF CHROMIUM.

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

Waste Disposal Methods:HEXAVALENT CHROMIUM IN SOLUTION MAY BE REDUCED TO TRIVALENT CHROMIUM BY VARIOUS REDUCING AGENTS. THE REDUCED CHROMIUM MAY BE PRECIPITATED AS A HYDROUS CHROMIC OXIDE BY NEUTRALIZING TO PH 7.5 WITH SODA ASH/LIME THEN DISPOSED OF AS SOLID HAZARD WASTE.

Disclai

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