

MALLINCKRODT INC -- IODINE -- 6810-00-241-1188

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

Product ID:IODINE  
MSDS Date:02/25/1992  
FSC:6810  
NIIN:00-241-1188  
MSDS Number: BSHSC  
=== Responsible Party ===  
Company Name:MALLINCKRODT INC  
Address:675 MCDONNELL BLVD  
Box:5840  
City:ST. LOUIS  
State:MO  
ZIP:63134  
Country:US  
Info Phone Num:314-539-1600  
Emergency Phone Num:314-539-1600  
CAGE:37940  
=== Contractor Identification ===  
Company Name:MALLINCKRODT INC  
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===== Composition/Information on Ingredients =====

Ingred Name:IODINE  
CAS:7553-56-2  
RTECS #:NN1575000  
Fraction by Wt: 100%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:C 0.1 PPM  
ACGIH TLV:C 0.1 PPM; 9394

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

LD50 LC50 Mixture:LD50 (ORAL RAT)=14MG/KG.  
Routes of Entr

y: Inhalation: YES Skin: YES Ingestion: YES  
Reports of Carcinogenicity: NTP: NO IARC: NO OSHA: NO  
Health Hazards Acute and Chronic: ACUTE: INHAL: SEVERE MUCOUS MEMBRANES &  
RESPIRATORY TRACT IRRITANT. INGEST: SEVERE CORROSIVE  
GASTROENTERITIS. PROBABLE LETHAL DOSE: 2-4GM OF FREE IODINE.  
SKIN/EYE: SEVERE IRRITANT. CHRONIC: INSOMNIA, CONJUNCTIVITIS,  
INFLAMMATION OF NASAL MUCOUS, BRONCHITIS, TREMOR, RAPID HEART BEAT,  
DIARRHEA, WEIGHT LOSS.  
Effects of Overexposure: INHAL: EXCESSIVE TEARS, RHINITIS, TIGHTNESS IN  
CHEST, SORE THROAT, HEADACHE, DELAYED PULMONARY EDEMA.  
INGEST: BURNING SENSATIONS, ABDOMINAL PAIN, DIARRHEA, FEVER,  
VOMITING, STUPOR, SHOCK. SKIN: LESIONS RESEMBLE THERMAL BURNS,  
REDNESS, SWELLING, ITCHING. EYE: TEARING, INFLAMMATION OF EYELIDS,  
REDNESS, BLURRED VISION.  
Medical Condition Aggravated by Exposure: PRE-EXISTING SKIN DISORDERS, EYE  
PROBLEMS, IMPAIRED RESPIRATORY FUNCTION, OR DISEASE OF THE THYROID,  
LUNGS, OR KIDNEY.

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

First Aid: INHAL: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ART RESP. IF  
BREATHING IS DIFFICULT, GIVE OXYGEN. OBSERVE FOR DEVELOPMENT OF PULM  
EDEMA. INGEST: GIVE WATER OR MILK. INDUCE VOMIT IF NO IMMEDIATE MEDICAL  
ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO UNCONSCIOUS  
PERSON. SKIN: REMOVE CONTAMINATED CLOTHING. WIPE OFF EXCESS. WASH W/ 5% SODIUM  
THIOSULFATE SOLUTION. EYE: WASH W/ LOTS OF WATER FOR @ LEAST 15 MINS  
LIFTING EYELIDS. IN ALL CASES SEE DR

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

Extinguishing Media: USE ANY MEANS SUITABLE FOR EXTINGUISHING  
SURROUNDING FIRE. WATER SPRAY MAY BE USED TO KEEP FIRE EXPOSED  
CONTAINERS COOL.  
Fire Fighting Procedures: WEAR FULL PROTECTIVE CLOTHING & NIOSH-APPROVED  
SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN  
PRESSURE DEMAND OR OTHER POSITIVE PRESSURE MODE.  
Unusual Fire/Explosion Hazard: NOT COMBUSTIBLE; SUBSTANCE IS A STRONG  
OXIDIZER. ITS HEAT OF REACTION W/ REDUCING AG

ENTS OR COMBUSTIBLES MAY  
CAUSE INGNITION. CONTACT MAY CAUSE EXTREM VIOLENT COMBUSTI

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

Spill Release Procedures:VENTILATE & DIKE AREA. CLEANUP PERSONNEL  
REQUIRE PROTECTIVE CLOTHING & RESPIRATORY PROTECTION FROM VAPORS.  
CONTAIN & RECOVER LIQUID WHEN POSSIBLE. ABSORB W/VERMICULITE, DRY  
SAND, EARTH OR SIMILAR MATE RIAL FOR DISPOSAL. DO NOT FLUSH TO  
SEWER.

===== Handling and Storage =====  
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Handling and Storage Precautions:KEEP IN TIGHTLY CLOSED CONTAINER.  
STORE IN COOL, DRY, VENTILATED AREA AWAY FROM SOURCES OF HEAT OR  
IGNITION, REACTIVE OR COMBUSTIBLE MATERIALS.  
Other Precautions:PROTECT AGAINST PHYSICAL DAMAGE AND OUT OF DIRECT  
SUNLIGHT.

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

Respiratory Protection:IF TLV IS EXCEEDED A FULLFACEPIECE CHEM  
CARTRIDGE RESPIRATOR MAY BE WORN IN GENERAL UP TO 100X THE TLV OR  
THE MAX USE CO  
NCEN SPECIFIED BY RESPIRATOR SUPPLIER WHICHEVER IS  
LESS.SUPPLIED AIR FULLFACEPIE CE RESPIRATOR OR AIRLINED HOOD MAY BE  
US

Ventilation:A SYSTE OF LOCAL AND/OR GENERAL EXHAUST IS RECOMMENDED.  
LOCAL EXHAUST VENTILATION IS GENERALLY PREFERRED.

Protective Gloves:IMPERVIOUS GLOVES.

Eye Protection:CHEM SAFETY GOGGLES.

Other Protective Equipment:IMPERVIOUS PROTECTIVE CLOTHING, BOOTS,  
LABCOAT, APRON, COVERALL. EYEWASH FOUNTAIN & QUICK DRENCH  
FACILITIES IN WORK AREA

Work Hygienic Pract

ices:CONTACT LENSES SHOULD NOT BE WORN WHEN WORKING  
W/MATERIAL. WASH HANDS AFTER HANDLING. LAUNDRY CONTAMINATED  
CLOTHING.

Supplemental Safety and Health

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

HCC:D1

Boiling Pt:B.P. Text:363F,184C

Melt/Freeze Pt:M.P/F.P Text:237F,114C

Vapor Pres:0.3

Vapor Density:8.8

Spec Gravity:4.98

Evaporation Rate & Reference:NONE SPECIFIED BY MANUFA.

Solubility in Water:SLIGHTLY

Appearance and Odor:BLUISH-BLACK CRYSTALS OF METALLIC

LUSTER WITH A  
PUNGENT ODOR.

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

Stability Indicator/Materials to Avoid:YES  
AMMONIA,POWDERED METALS,ALKALI METALS,STRONG REDUCING AGENTS. VIOLENT  
OR EXPLOSIVE REACTION W/ACETALDEHYDE & ACETYLENE.  
Stability Condition to Avoid:CONTACT WITH COMBUSTIBLES.  
Hazardous Decomposition Products:TOXIC GASES AND VAPORS MAY BE RELEASED  
IF INVOLVED IN A FIRE.

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

Waste  
Disposal Methods:DIPOSE OF IN ACCORDANCE WITH FEDERAL/STATE/LOCAL  
REGULATIONS AS HAZARDOUS WASTE IN A RCRA APPROVED FACILITY.

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