

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

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Product Identification  
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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 Identific  
ation ===  
Company Name:MALLINCKRODT INC  
Address:675 MCDONNELL BLVD  
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Composition/Information on Ingredients  
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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

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

ry: 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, RH  
INITIS, 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 Cond Aggravated by Exposure:PRE-EXISTING SKIN DISORDERS, EYE  
PROBLEMS, IMPAIRED RESPIRATORY FUNCTION, OR DISEASE OF THE THYROID,  
LUNGS, OR KIDNEY.

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First Aid Measures =====

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

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= 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 POS PRESSURE MODE.

Unusual Fire/Explosion Hazard:NOT COMBUSTIBLE; SUBSTANCE IS A STRONG  
OXIDIZER. ITS HEAT OF RX W/REDUCING A

GENTS OR COMBUSTIBLES MAY  
CAUSE IGNITION. 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 C  
ONCEN 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 Prac

tices: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 METALLI

C 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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