

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 Identifica
tion ===
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 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 BREATHING, GIVE ART RESP. IF
BREATH 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 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 POSITIVE PRESSURE MODE.
Unusual Fire/Explosion Hazard: NOT COMBUSTIBLE; SUBSTANCE IS A STRONG
OXIDIZER. ITS HEAT OF REACTION W/REDUCING AGENTS

ENTS 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 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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