

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 Identific
ation ===
Company Name:MALLINCKRODT INC
Address:675 MCDONNELL BLVD
Box:5840
City:ST. LOUIS
State:MO
ZIP:63134
Country:US
Phone:314-539-1600
CAGE:37940

=====
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 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.

=====
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

=====
= 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 EXTREMELY VIOLENT COMBUSTION

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

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

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

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 CONCEN SPECIFIED BY RESPIRATOR SUPPLIER WHICHEVER IS LESS. SUPPLIED AIR FULLFACEPIECE RESPIRATOR OR AIRLINED HOOD MAY BE USED

Ventilation: A SYSTEM 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 Practices:

CONTACT LENSES SHOULD NOT BE WORN WHEN WORKING WITH 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 MANUFACTURER.

Solubility in Water: SLIGHTLY

Appearance and Odor: BLuish-BLACK CRYSTALS OF METALLIC

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.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclaims all liability for its use. Any person utilizing this
document should seek competent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.