

MALLINCKRODT INC -- POTASSIUM IODATE -- 6810-00-136-6700

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

Product ID:POTASSIUM IODATE
MSDS Date:08/15/1985
FSC:6810
NIIN:00-136-6700
MSDS Number: BSHRN
=== Responsible Party ===
Company Name:MALLINCKRODT INC
Address:675 MCDONNELL BLVD
Box:5840
City:ST. LOUIS
State:MO
ZIP:63134
Country:US
Info Phone Num:314-895-200/314-982-5000
Emergency Phone Num:314-895-200/314-982-5000
CAGE:37940
=== Contractor Identification ===
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:POTASSIUM IODATE
CAS:7758-05-6
Fraction by Wt: 100%
Other REC Limits:NONE RECOMMENDED

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports

of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE:INHAL:RESPIRATORY TRACT
IRRITANT. INGEST:MAY CAUSE GASTROINTESTINAL UPSET. SKIN:IRRITANT.
EYE:NO ADVERSE EFFECTS EXPECTED BUT DUST MAY CAUSE MECHANICAL
IRRITATION. CHRONIC:REPEATED INGESTIONS MAY CAUSE KIDNEY
DISFUNCTION OR FAILURE &BLOOD CONDITIONS SUCH AS HEMOLYSIS. CNS MAY
BE AFFECTED.

Effects of Overexposure:INHAL:COUGHING, SHORTNESS OF BREATH.
INGEST:ABDOMINAL PAIN, VOMITING, DIARRHE

A. SKIN:REDDENING,
SWELLING, ITCHING. ANIMAL EXPERIMENTS SUGGEST A POTENTIAL FOR
KIDNEY & BLOOD CELL DAMAGE, SIMILAR TO THAT OF THE BROMATES &
CHLORATE WHEN INGESTED.

Medical Cond Aggravated by Exposure:IMPAIRED LIVER OR KIDNEY FUNCTION.

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

First Aid:INHAL:REMOVE TO FRESH AIR. SEE DOCTOR FOR ANY BREATHING
DIFFICULTY. INGEST:INDUCE VOMITING IMMEDIATELY BY GIVING 2 GLASSES OF
WATER & STICKING FINGER DOWN THROAT. NEVER GIVE ANYTHING BY MOUTH
TO AN UNCONSCIOUS PERSON. SKIN:WASH WITH SOAP & WATER. EYE:WASH
WITH RUNNING WATER. IN ALL CASES SEE DOCTOR.

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

Extinguishing Media:USE ANY MEANS SUITABLE FOR EXTINGUISHING
SURROUNDING FIRE.

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING & FACEPIECE
OPERATED IN PRESSURE DEMAND OR OTHER POSITIVE PRESSURE MODE.WATER
SPRAY MAY BE USED TO KEEP FIRE EXPOSED CONTAINER COOL

Unusual Fire/E

xplosion Hazard:NOT COMBUSTIBLE BUT ENHANCES THE
COMBUSTION OF OTHER SUBSTANCES. CAN RELEASE GASEOUS OXYGEN WHEN
HEATED. MAY EXPLODE WHEN EXPOSED TO MECHANICAL SHOCK OR FRICTIO

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

Spill Release Procedures:COVER SPILL WITH FERROUS SULFATE OR SODIUM
SULFITE & MOISTEN WITH DILUTED SULFURIC ACID TO FORM A REDUCING
SLURRY.COLLECT & NEUTRALIZE EXCESS ACID WITH SODA ASH.FLUSH AREA WITH
SMALL AMOUNTS OF WATER.TREATED WASTE MAY BE FLUSHED

HED TO SEWER W/WATER BY
APPROVAL OF FACILITY

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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, MOISTURE, & INCOMPATIBLE SUBSTANCES.

Other Precautions: PROTECT CONTAINER FROM PHYSICAL DAMAGE.

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Exposure Controls/Personal Protection
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Respiratory Protection: FOR CONDITIONS OF USE WHERE EXPOSURE TO DUST IS APPARENT

, A DUST/MIST RESPIRATOR MAY BE WORN. FOR EMERGENCIES, A SELF-CONTAINED BREATHING APPARATUS MAY BE NECESSARY.

Ventilation: LOCAL EXHAUST SYSTEM.

Protective Gloves: IMPERVIOUS GLOVES.

Eye Protection: CHEMICAL SAFETY GLASSES.

Other Protective Equipment: CONTACT LENSES SHOULD NOT BE WORN WHEN WORKING WITH MATERIAL. EYE WASH FOUNTAIN & QUICK-DRENCH FACILITIES IN WORK AREA.

Work Hygienic Practices: WASH HANDS THOROUGHLY AFTER USE.

Supplemental Safety and Health

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Physical/Chemical Properties
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HCC: D1

Melt/Freeze Pt: M.P/F.P Text: 1040F, 560C

Vapor Pres: NONE SPEC.

Vapor Density: NONE SPEC.

Spec Gravity: 3.89

Evaporation Rate & Reference: NONE SPECIFIED BY MANUFACTURER.

Solubility in Water: 89G/100G WATER

Appearance and Odor: WHITE CRYSTALLINE POWDER WITH NO ODOR.

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Stability and Reactivity Data
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Stability Indicator/Materials to Avoid: YES

REACTS VIOLENTLY WITH COMBUSTIBLE & REDUCING MATERIALS; ALUMINUM, ORGANIC COMPOUNDS, CARBON

BON, HYDROGEN PEROXIDE, SULFIDES.

Stability Condition to Avoid:STRONG OXIDIZING CHARACTERISTICS APPEAR
WHEN MIXED WITH ACID SOLUTIONS.

Hazardous Decomposition Products:OXIDES OF IODINE AND POTASSIUM.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH
FEDERAL/STATE/LOCAL REGULATIONS. TREATED WASTE MAY BE DISCHARGED TO
SEWER W/WATER BY APPROVAL OF LOCAL SEWER AUTHORITY OR SENT TO
APPROVED WASTE DISPOSAL FACILIT

Y.

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