

MALLINCKRODT BAKER INC. SUB OF MALLINCKRODT CHEMICAL -- POTASSIUM IODATE (SEE SUPPLEMENTAL) -- 6810-00-136-6700

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

Product ID:POTASSIUM IODATE (SEE SUPPLEMENTAL)

MSDS Date:12/08/1996

FSC:6810

NIIN:00-136-6700

Status Code:A

MSDS Number: CKJPX

=== Responsible Party ===

Company Name:MALLINCKRODT BAKER INC. SUB OF MALLINCKRODT CHEMICAL

Address:222 RED SCHOOL LANE

C

City:PHILLIPSBURG

State:NJ

ZIP:08865

Country:US

Info Phone Num:800-582-2537

Emergency Phone Num:908-859-2151

Resp. Party Other MSDS Num.:P5895

Preparer's Name:STRATEGIC SERVICES DIV.

Chemtrec Ind/Phone:(800)424-9300

CAGE:70829

=== Contractor Identification ===

Company Name:MALLINCKRODT BAKER, INC.

Address:222 RED SCHOOL LANE

Box:City:PHILLIPSBURG

State:NJ

ZIP:08865

Country:US

Phone:800-582-2537

CAGE:70829

===== Composition/Information on Ingredients =====

Ingred Name:POTASSIUM

IODATE

CAS:7758-05-6

RTECS #:NN1350000

= Wt:100.

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

LD50 LC50 Mixture:NO LD50/LC50 INFORMATION FOUND

Reports of Carcinogenicity:NTP:NO IARC:NO

Health Hazards Acute and Chronic:INHALATION-MAY IRRITATE THE

RESPIRATORY TRACT. INGESTION-MAY CAUSE GASTROINTESTINAL UPSET.

ANIMAL EXPERIMENTS SUGGEST A POTENTIAL FOR KIDNEY & BLOOD CELL

DAMAGE, SIMILAR TO THAT OF BROMATES & CHLORATE S. SKIN-POSSIBLE

IRRITATION OR RED

DENING OF MOIST SKIN ON PROLONGED CONTACT. EYE-NO
ADVERSE EFFECTS EXPECTED BUT DUST MAY CAUSE MECHANICAL IRRITATION.
CHRONIC EXPOSURE: REPEATED INGESTION MAY CAUSE KIDNEY DYSFUNCTION
OR FAILURE & BLOOD CONDITIONS SUCH AS HEMOLYSIS. CENTRAL NERVOUS
SYSTEM MAY BE AFFECTED.

Effects of Overexposure:INHALATION: SYMPTOMS OF COUGHING AND POSSIBLE
SHORTNESS OF BREATH. INGESTION: SYMPTOMS OF ABDOMINAL PAIN,
VOMITING, AND DIARRHEA.

Medical Cond Aggravated by Exposure:PERSONS WITH
IMPAIRED LIVER OR
KIDNEY FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS
SUBSTANCE.

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

First Aid:INHALATION-REMOVE TO FRESH AIR. GET MEDICAL ATTENTION FOR ANY
BREATHING DIFFICULTY. INGESTION-INDUCE VOMITING IMMEDIATELY AS
DIRECTED BY MEDICAL PERSONNEL. NEVER GIVE ANYTHING BY MOUTH TO AN
UNCONSCIOUS PERSON. SKIN-WASH EXPOSED ARE WITH SOAP AND WATER. GET
MEDICAL ADVICE IF IRRITATION DEVELOPS. EYE-W
ASH THOROUGHLY WITH
RUNNING WATER. GET MEDICAL ADVICE IF IRRITATION DEVELOPS.

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

Extinguishing Media:USE ANY MEANS SUITABLE FOR EXTINGUISHING
SURROUNDING FIRE. NOT COMBUSTIBLE BUT ENHANCES THE COMBUSTION OF
OTHER SUBSTANCES. STRONG OXIDIZING AGENT, CAN RELEASE GASEOUS
OXYGEN.

Fire Fighting Procedures:IN THE EVENT OF A FIRE, WEAR FULL PROTECTIVE
CLOTHING & NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH

FULL FACEPIECE OPERATED IN THE PRESSURE DEMAND OR OTHER POSITIVE
PRESSURE MODE. WATER SPRAY MAY BE USED TO KEEP FIRE EXPOSED
CONTAINERS COOL.

Unusual Fire/Explosion Hazard:MAY EXPLODE WHEN EXPOSED TO MECHANICAL
SHOCK OR FRICTION OR CAN CAUSE EXPLOSIONS WITH COMBUSTIBLE OR
FLAMMABLE MATERIALS OR POWDERED METALS.

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

Spill Release Procedures:REMOVE ALL SOURCES OF IGNITION. VENTILATE AREA
OF LEAK OR SPILL. W

WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT.

SPILLS: CLEAN UP SPILLS IN A MANNER THAT DOES NOT DISPERSE DUST INTO THE AIR. USE NON-SPARKING TOOLS AND EQUIPMENT. REDUCE AIRBORNE DUST & PREVENT SCATTERING BY MOISTENING WITH WATER. PICK UP SPILL FOR RECOVERY OR DISPOSAL & PLACE IN A CLOSED CONTAINER.

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

Handling and Storage Precautions:STORE IN TIGHTLY CLOSED CONTAINER.

STORE IN A COOL, DRY, VENTILATED AREA AWAY FROM SOURCES OF HEAT, MOISTURE, & INCOMPATIBLE SUBSTANCES. PROTECT CONTAINER FROM PHYSICAL DAMAGE. AVOID DUST FORMATION & CONTROL IGNITION SOURCES. EMPTY ONLY INTO INERT OR NON-FLAMMABLE ATMOSPHERE.

Other Precautions:EMPLOY GROUNDING, VENTING & EXPLOSION RELIEF PROVISIONS IN ACCORD WITH ACCEPTABLE ENGINEERING PRACTICES IN ANY PROCESS CAPABLE OF GENERATING DUST &/OR STATIC ELECTRICITY. EMPTYING CONTENTS INTO A NON- INERT ATMOSPHERE WHERE FLAMMABLE VAPORS MAY BE PRESENT COULD CAUSE A FLASH OR EXPLOSION DUE TO ELECTROSTATIC DISCHARGE.

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

Respiratory Protection:FOR CONDITIONS OF USE WHERE EXPOSURE TO THE DUST OR MIST IS APPARENT, A HALF-FACE DUST/MIST RESPIRATOR MAY BE WORN. FOR EMERGENCIES OR INSTANCES WHERE THE EXPOSURE LEVELS ARE NOT KNOWN, USE A FULL-FACE POSITIVE-PRESSURE, AIR-SUPPLIED RESPIRATOR. WARNING: AIR-PURIFYING RESPIRATORS DO NOT PROTECT WORKERS IN OXYGEN-DEFICIENT ATMOSPHERES.

Ventilation:A SYSTEM OF LOCAL &/OR GENERAL EXHAUST IS RECOMMENDED TO KEEP EMPLOYEE EXPOSURE AS LOW AS POSSIBLE. LOCAL EXHAUST VENTILATION IS USUALLY PREFERRED.

Protective Gloves:WEAR IMPERVIOUS PROTECTIVE GLOVES TO PREVENT SKIN CONTACT.

Eye Protection:USE CHEMICAL SAFETY GOGGLES.

Other Protective Equipment:MAINTAIN EYE WASH FOUNTAIN & QUICK DRENCH FACILITIES IN WORK AREA. WEAR IMPERVIOUS PROTECTIVE CLOTHING, INCLUDING BOOTS, GLOVES, LAB COAT, APRON, COVERALLS, AS APPROPRIATE, T

O

PREVENT SKIN CONTACT

Supplemental Safety and Health

PRODUCT CODES: BAKER:3156. MALLINCKRODT:1091,1094,4896. HANDLING *

STORAGE: CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTY SINCE THEY RETAIN PRODUCT RESIDUE (DUST, SOLIDS); OBSERVE ALL WARNINGS & PRECAUTIONS LISTED FOR THE PRODUCT.

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

HCC:D1

Melt/Freeze Pt:=-560.C, #####F

M.P/F.P Text:PARTIAL DECOMPOSITION

Spec Gravity:3.89

Solubility in Water:32 G I

N 100CC @ 100C.

Appearance and Odor:WHITE CRYSTALLINE POWDER. ODORLESS.

Percent Volatiles by Volume:0

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

REACTS VIOLENTLY WITH COMBUSTIBLE AND REDUCING MATERIALS; ALUMINUM, ORGANIC COMPOUNDS, CARBON, HYDROGEN PEROXIDE, SULFIDES.

Stability Condition to Avoid:STABLE UNDER ORDINARY CONDITIONS OF USE & STORAGE. STRONG OXIDIZING CHARACTERISTICS APPEAR WHEN MIXED WITH ACID SOLUTIONS. HEAT, SHOCK, FRICTION, INCOMPATIBLES.

Hazard

Decomposition Products:BURNING MAY PRODUCE TOXIC IODINE VAPORS.

===== Toxicological Information =====

Toxicological Information:NO LD50/LC50 INFORMATION FOUND FOR RELATING TO NORMAL ROUTES OF OCCUPATIONAL EXPOSURE.

===== Ecological Information =====

Ecological:NO INFORMATION FOUND.

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

Waste Disposal Methods:WHATEVER CANNOT BE SAVED FOR RECOVERY OR RECYCLED

YCLING SHOULD BE MANAGED IN AN APPROPRIATE & APPROVED WASTE FACILITY. ALTHOUGH NOT ACLISTED RCRA HAZARDOUS WASTE, THIS MATERIAL MAY EXHIBIT ONE OR MORE CHARA CTERISTICS OF A HAZARDOUS WASTE & REQUIRE APPROPRIATE ANALYSIS TO DETERMIBE SPECIFIC DISPOSAL REQUIRE MENTS.

===== MSDS Transport Information =====

Transport Information:DOMESTIC (LAND, D.O.T.): PROPER SHIPPING NAME:OXIDIZING SOLID, N.O.S (POTASSIUM IODATE). HAZARD CLASS: 5.1.UN/NA:UN147

9. PACKING GROUP:II. INFORMATION REPORTED

FORPRODUCT/SIZE: 2.5 KG. INTERNATION (WA TER, I.M.O.): PROPER SHIPPING NAME:OXIDIZING SOLID, N.O.S (POTASSIUM IODATE). HAZARD CLASS: 5.1.UN/NA:UN1479. PACKING GROUP:II. INFORMATION REPORTED FORPRODUCT/SIZE: 2.5 KG. INTERNATIONAL (AIR,I.C.A.O .): PROPER SHIPPING NAME:OXIDIZING SOLID, N.O.S (POTASSIUM IODATE). HAZARD CLASS: 5.1.UN/NA:UN1479. PACKING GROUP:II. INFORMATION REPORTED FORPRODUCT/SIZE: 2.5 KG.

===== Regulatory Information =====

SARA Title III Information:SARA 311/312: ACUTE:YES;CHRONIC:YES; FIRE: NO; PRESSURE:NO; REACTIVITY: YES (PURE/SOLID). SARA 302: NO. SARA 313: NO.

Federal Regulatory Information:TSCA: YES.

===== Other Information =====

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