

FISHER SCIENTIFIC, CHEMICAL DIV. -- POTASSIUM IODIDE -- 6810-00-243-4433

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Product Identification  
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Product ID:POTASSIUM IODIDE

MSDS Date:12/12/1997

FSC:6810

NIIN:00-243-4433

MSDS Number: BVHBP

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC, CHEMICAL DIV.

Address:1 REAGENT LANE

City:FAIR LAWN

State:NJ

ZIP:07410

Country:US

Info Phone Num:201-796-7100 OR 201-796-7523

Emergency Pho

ne Num:201-796-7100

Preparer's Name:NOT PROVIDED

Chemtrec Ind/Phone:(800)424-9300

CAGE:1B464

==== Contractor Identification ====

Company Name:FISHER SCIENTIFIC CO. CHEMICAL MFG DIV

Address:1 REAGENT LANE

Box:City:FAIRLAWN

State:NJ

ZIP:07410-2802

Country:US

Phone:201-796-7100

CAGE:1B464

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Composition/Information on Ingredients  
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Ingred Name:POTASSIUM IODIDE

CAS:7681-11-0

RTECS #:TT2975000

= Wt:100.

Other REC Limits:NOT PROVIDED

OSHA PEL:NONE LISTED

ACGIH TLV:NONE LISTED

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

LD50 LC50 Mixture:NOT AVAILABLE

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:POTENTIAL HEALTH EFFECTS: EYE: CAUSES EYE IRRITATION. SKIN: MAY CAUSE SKIN IRRITATION. INGESTION: CAUSES GASTROINTESTINAL IRRITATION WITH NAUSEA, VOMITING AND DIARRHEA. INHALATION: MAY CAUSE RESPIRATORY TRACT IRRITATION. CHRONIC: CHRONIC EXPOSURE CAN LEAD TO IODISM CHARACTERIZED BY SALIVATION

NASAL DISCHARGE, SNEEZING, CONJUNCTIVITIS, FEVER, LARYNGITIS, BRONCHITIS, STOMATITIS AND SKIN RASHES. CHRONIC INGESTION OF IODIDES DURING PREGNANCY HAS RESULTED IN FETAL DEATH, SEVERE GOITER, AND CRETINOID APPEARANCE OF THE NEWBORN.

Explanation of Carcinogenicity:NOT LISTED BY ACGIH, IARC, NIOSH, NTP, OR OSHA.

Effects of Overexposure:EYE: CAUSES EYE IRRITATION. SKIN: MAY CAUSE SKIN IRRITATION. INGESTION: CAUSES GASTROINTESTINAL IRRITATION WITH NAUSEA, VOMITING AND

DIARRHEA. INHALATION: MAY CAUSE RESPIRATORY TRACT IRRITATION. CHRONIC: CHRONIC EXPOSURE CAN LEAD TO IODISM CHARACTERIZED BY SALIVATION, NASAL DISCHARGE, SNEEZING, CONJUNCTIVITIS, FEVER, LARYNGITIS, BRONCHITIS, STOMATITIS AND SKIN RASHES.

Medical Cond Aggravated by Exposure:NOT PROVIDED

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

First Aid:EYES: FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES, OCCASIONALLY LIFTING THE UPPER AND LOWER LIDS. GET MEDICAL

AID. SKIN: FLUSH SKIN WITH PLENTY OF SOAP AND WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. GET MEDICAL AID IF IRRITATION DEVELOPS OR PERSISTS. INGESTION: IF VICTIM IS CONSCIOUS AND ALERT, GIVE 2-4 CUPFULS OF MILK OR WATER. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. GET MEDICAL AID. INHALATION: REMOVE FROM EXPOSURE TO FRESH AIR IMMEDIATELY. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFI

CULT, GIVE OXYGEN. GET MEDICAL AID IF SYMPTOMS APPEAR.

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

Extinguishing Media:FOR SMALL FIRES, USE WATER SPRAY, DRY CHEMICAL,  
CARBON DIOXIDE OR CHEMICAL FOAM.

Fire Fighting Procedures:WEAR APPROPRIATE PROTECTIVE CLOTHING TO  
PREVENT CONTACT WITH SKIN AND EYES. WEAR A SELF-CONTAINED BREATHING  
APPARATUS (SCBA) TO PREVENT CONTACT WITH THERMAL DECOMPOSITION  
PRODUCTS.

Unusual Fire/Explosion Hazard:NOT PROVIDED

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

Spill Release Procedures:USE PROPER PERSONAL PROTECTIVE EQUIPMENT.  
VACCUM OR SWEEP UP MATERIAL AND PLACE IN A SUITABLE DISPOSAL  
CONTAINER. AVOID GENERATING DUSTY CONDITIONS.

Neutralizing Agent:NOT PROVIDED

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL-VENTILATED  
AREA AWAY FROM INCOMPATIBLE SUBSTANCES.

Other Precautions:WASH THOROUGHLY AFTE  
R HANDLING. USE WITH ADEQUATE  
VENTILATION. AVOID CONTACT WITH EYES, SKIN, AND CLOTHING. AVOID  
INGESTION AND INHALATION.

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

Respiratory Protection:FOLLOW THE OSHA RESPIRATOR REGULATIONS FOUND IN  
29 CFR 1910.134 OR EUROPEAN STANDARD EN 149. ALWAYS USE A NIOSH OR  
EUROPEAN STANDARD EN 149 APPROVED RESPIRATOR WHEN NECESSARY.

Ventilation:NOT PROVIDED

Protective Gloves:WEAR APPROPRIATE PROTECTIVE GLOVES TO PREVENT SKIN

EXPOSURE.

Eye Protection:WEAR APPROPRIATE PROTECTIVE EYEGASSES/CHEMICAL SAFETY  
GOGGLES (29CFR1910.133).

Other Protective Equipment:WEAR APPROPRIATE PROTECTIVE CLOTHING TO  
PREVENT SKIN EXPOSURE.

Work Hygienic Practices:NOT PROVIDED

Supplemental Safety and Health

NOTE TO PHYSICIAN: TREAT SYMPTOMTICALLY AND SUPPORTIVELY.

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

HCC:N1

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:=1330.C, 2426.F

Melt/Freeze Pt:=680.C, #####F

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ecomp Temp:Decomp Text:NOT AVAILABLE  
Vapor Pres:NOT AVAILABLE  
Spec Gravity:3.13  
pH:7 TO 9  
Viscosity:NOT RELEVANT  
Evaporation Rate & Reference:NOT AVAILABLE  
Solubility in Water:SOLUBLE  
Appearance and Odor:COLORLESS OR WHITE SOLID, ODORLESS  
Corrosion Rate:NOT PROVIDED

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

Stability Indicator/Materials to Avoid:YES  
INCOMPATIBLE WITH SALTS OF ALKALOIDS, CHLORAL HYDRATE, CALOMEL  
(MERCUROUS CHLORIDE), POTASSIUM CHLORATE, METALLI  
C SALTS, TARTARIC  
AND OTHER ACIDS, BROMINE TRIFLUORIDE, AND FLUORINE PERCHLORATE.  
Stability Condition to Avoid:INCOMPATIBLE MATERIALS, LIGHT, MOISTURE.  
Hazardous Decomposition Products:OXIDES OF POTASSIUM, IODIDE.

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

Toxicological Information:LD50/LC50: NO DATA AVAILABLE. IODINE SALTS  
CAN CAUSE DEFORMITY, ILLNESS, AND DEATH OF A FETUS.

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

Ecological:ECOTOX  
ICITY: THIS CHEMICAL IS EXPECTED TO CAUSE LITTLE  
OXYGEN DEPLETION IN AQUATIC SYSTEM. THIS CHEMICAL HAS A MODERATE  
POTENTIAL TO AFFECT AQUATIC ORGANISM. ENVIRONMENTAL FATE: IF  
DILUTED WITH A LARG E AMOUNT OF WATER, THIS CHEMICAL RELEASED  
DIRECTLY OR INDIRECTLY INTO THE ENVIRONMENT IS NOT EXPECTED TO HAVE  
A SIGNIFICANT IMPACT.

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

Waste Disposal Methods:DISPOSE OF IN A MANNER CONSISTENT WITH FEDERAL,  
STATE, A  
ND LOCAL REGULATIONS. NOT LISTED AS A MATERIAL BANNED FROM  
LAND DISPOSAL ACCORDING TO RCRA.

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

Transport Information:NO INFORMATION AVAILABLE.

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

SARA Title III Information:SECTION 302 (RQ): NONE. SECTION 302 (TPQ):  
NONE. SECTION 313: NO CHEMICALS ARE REPORTABLE UNDER SECTION 313.  
Federal Regulatory Information:OSHA: NONE OF THE CHEMICALS IN THIS  
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PRODUCT ARE CONSIDERED HIGHLY HAZARDOUS BY OSHA. TSCA: CAS # 7681-11-0 IS LISTED ON THE TSCA INVENTORY. CLEAN AIR ACT: THIS MATERIAL DOES NOT CONTAIN ANY HAZARDOUS AIR POLLUTANTS. THIS MATERIAL DOES NOT CONTAIN ANY CLASS 1 OR CLASS 2 OZONE DEPLETORS. CLEAN WATER ACT: NONE OF THE CHEMICALS IN THIS PRODUCT ARE LISTED AS HAZARDOUS SUBSTANCES UNDER CWA. NONE OF THE CHEMICALS IN THIS PRODUCT ARE LISTED AS PRIORITY POLLUTANTS UNDER THE CWA. NONE OF THE CHEMICALS IN THIS PRODUCT ARE LISTED AS TOXIC POLLUTANTS UNDER THE CWA.

State Regulatory Information: POTASSIUM IODIDE IS NOT PRESENT ON STATE LISTS FROM CA, PA, MN, MA, FL, OR NJ. CALIFORNIA NO SIGNIFICANT RISK LEVEL: NONE OF THE CHEMICALS IN THIS PRODUCT ARE LISTED.

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

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