

ANACHEMIA CHEMICALS INC -- POTASSIUM IODIDE -- 6810-00-935-1034

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

Product ID:POTASSIUM IODIDE

MSDS Date:05/20/1993

FSC:6810

NIIN:00-935-1034

MSDS Number: BQFBQ

=== Responsible Party ===

Company Name:ANACHEMIA CHEMICALS INC

Address:3 LINCOLN BLVD

City:ROUSES POINT

State:NY

ZIP:12979

Country:US

Info Phone Num:518-297-4444

Emergency Phone Num:518-297-4444

Preparer's

Name:HMIS TECNICIAN

CAGE:4A444

=== Contractor Identification ===

Company Name:ANACHEMIA CHEMICALS INC

Address:3 LINCOLN BLVD

Box:City:ROUSES POINT

State:NY

ZIP:12979

Country:US

Phone:518-297-4444

CAGE:4A444

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

Ingred Name:POTASSIUM IODIDE

CAS:7681-11-0

RTECS #:TT2975000

Fraction by Wt: 79%

Other REC Limits:NONE RECOMMENDED

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

Routes of Entry: Inhalation:YES Ski

n:YES Ingestion:YES

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

Health Hazards Acute and Chronic:ACUTE: INHALATION OF VAPORS MAY CAUSE RESPIRATORY IRRITATION. CONTACT MAY CAUSE SKIN AND EYE IRRITATION. INGESTION/INHALATION/SKIN ABSORPTION MAY CAUSE "IODISM", DEATH. CHRONIC: PROLONGED OR REPEATED EXPOSURE MAY CAUSE ALLERGIC RESPIRATORY AND SKIN REACTIONS.

Explanation of Carcinogenicity:POTASSIUM IODIDE IS NOT LISTED BY NTP, IARC, OR OSHA AS A CARCINOGEN OR SUSPECTED CARCINOGEN.

Effects of Overexposure:INHALED: HEADACHE, TIGHTNESS IN CHEST, COUGHING, SNEEZING. EYES: REDNESS, TEARING, BURNING SENSATION. SKIN; REDNESS, SWELLING, DISCOMFORT. INGESTED/SKIN ABSORBED/INHALATION: INSOMNIA, CONJUNCTIVITIS, RUNNY NOSE, BRONCHITIS, TREMOR, DIARRHEA, WEIGHT LOSS, RAPID BEATING OF THE HEART (TACHYCARDIA), INFLAMMATION OF PAROTID

Medical Cond Aggravated by Exposure:PERSONS WITH RESPIRATORY AILMENTS OR SKIN DISEASE MAY BE AT RISK FROM EXPOSURE TO THIS MATERIAL. ALSO PERSONS ALLERGIC TO SHELLFISH MAY NEED TO BE VERY CAUTIOUS WHEN WORKING WITH THIS MATERIAL.

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

First Aid:INHALED: MOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. GET MEDICAL ATTENTION. EYES: FLUSH WITH LOTS OF WATER FOR 15 MINUTES, HOLD LID OPEN. SEE DOCTOR. SKIN: WASH WITH SOAP AND WATER. INGESTED: GET IMMEDIATE MEDICAL ATTENTION.

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

Flash Point:NONE

Extinguishing Media:MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING/GEAR.

Unusual Fire/Explosion Hazard:WHEN HEATED TO DECOMPOSITION EMITS TOXIC FUMES OF POTASSIUM AND IODIDE.

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

Spill Release Procedures:SWEEP UP, PLACE IN A BAG AND HOLD FOR DISPOSAL. AVOID RAISING DUST. WEAR PROPER PROTECTI

VE CLOTHING AND

EQUIPMENT. VENTILATE AREA AND WASH SPILL SITE AFTER CLEAN-UP FINISHED.

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

Handling and Storage Precautions:STORE IN A COOL, DRY, DARK PLACE. KEEP TIGHTLY CLOSED; LIGHT, AIR AND MOISTURE SENSITIVE.

Other Precautions:AVOID CONTACT WITH SKIN, EYES AND CLOTHES. DO NOT USE IF SKIN CUT OR SCRATCHED.

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

Respiratory Protection:NONE NORMALLY

REQUIRED. IF ENGINEERING CONTROLS

FAIL, OR NON-ROUTINE USE, OR EMERGENCY OCCURS; USE NIOSH/MSHA APPROVED RESPIRATOR OR SUPPLIED AIR RESPIRATOR OR SCBA, AS REQUIRED. USE IN ACCORDANCE WITH 29 CFR 1910.134.

Ventilation:USE ADEQUATE MECHANICAL VENTILATION.

Protective Gloves:RUBBER

Eye Protection:SAFETY GLASSES

Other Protective Equipment:EYE WASH STATION & SAFETY SHOWER

Work Hygienic Practices:WASH HANDS AFTER USE AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDRY CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health

MSDS GENERATED BY HMIS TECHNICIAN FOR WALL-TO-WALL TECH SUPPORT.

GENERATED FROM DATA IN SAX AND SIGMA-ALDRICH. MANUFACTURER LETTER SAYS MSDS NOT REQUIRED. HAD TO GENERATE BECAUSE IS A 6810 FSC MATERIAL.

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

HCC:T6

Boiling Pt:B.P. Text:2588F,1420C

Melt/Freeze Pt:M.P/F.P Text:1333F,723C

Vapor Pres:1 MM HG

Spec Gravity:DENSITY-3.13

Solubility in Water:APPRECIABLE

Appearance

and Odor:COLORLESS OR WHITE GRANULES

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

Stability Indicator/Materials to Avoid:NO

STRONG REDUCING AGENTS, STRONG MINERAL ACIDS, STEEL, ALKALI METALS, AND BRASS. MAGNESIUM, ZINC, NICKEL, & THEIR ALLOYS.

Stability Condition to Avoid:DECOMPOSES WHEN EXPOSED TO AIR AND MOISTURE. CONTACT WITH INCOMPATIBLE MATERIALS.

Hazardous Decomposition Products:TOXIC FUMES OF POTASSIUM (K+) AND IODIDE (I-).

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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