

IODINE TINCTURE STRONG

MSDS Number

BHCPS

National Stock Number

6810-01-225-8337

Product Name

IODINE TINCTURE STRONG

Manufacturer

HUMCO LABORATORY INC

Product Identification

Product ID: IODINE TINCTURE STRONG

MSDS Date: 01/01/1987

FSC: 6810

NIIN: 01-225-8337

MSDS Number: BHCPS

Responsible Party

HUMCO LABORATORY, INC.

1008 WHITAKER STREET

TEXARKANA, TX 75501

Emergency Phone: 214-793-3174

Info Phone: 214-793-3174

Cage: 61757

Contractor

HUMCO LABORATORY, INC.

2550

TEXARKANA, TX 75501-2550

US

214-793-3174

Cage: 61757

Ingredients

IODINE

CAS: 7553-56-2

RTECS: NN1575000

Fraction By Weight: 7.0%

OSHA PELC 0.1 PPM

ACGIH TLV: C 0.1 PPM; 9192

POTASSIUM IODIDE

CAS: 7681-11-0

RTECS: TT2975000

Fraction By Weight: 5.0%

ETHYL ALCOHOL (ETHANOL)

CAS: 64-17-5

RTECS: RQ6300000

Fraction By Weight: 83-88%

OSHA PEL1000 PPM

ACGIH TLV: 1000 PPM; 8990

Hazards

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

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

Health Hazards Acute and Chronic:ACUTE: IRRITATION OF THE RESPIRATORY TRACT, EYES, AND SKIN. SOLUTION CAN BURN THE SKIN. INGESTION CAUSES CORROSION OF THE GI TRACT, SHOCK, AND DEATH.

Explanation of Carcinogenicity:NONE OF THE CHEMICALS IN THIS PRODUCT IS LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.

Effects of Overexposure:VAPORS CAN IRRITATE THE RESPIRATORY TRACT, EYES, AND SKIN. THE SKIN CAN BURN FROM CONTACT WITH THE SOLUTION. INGESTION OF THE SOLUTION MAY CAUSE CORROSION OF GI TRACT, SHOCK, OR POSSIBLY DEATH.

Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF SKIN AND RESPIRATORY DISORDERS MAY BE AT INCREASED RISK FROM EXPOSURE.

First Aid

First Aid:FLUSH EYES AND SKIN WITH LOTS OF WATER FOR 15 MINUTES. GET MEDICAL HELP. INGESTION: CONTACT PHYSICIAN. IF VICTIM CONSCIOUS, GIVE WATER, MILK OR 1% SODIUM THIOSULFATE TO DRINK. INDUCE VOMITING IF MEDICAL HELP NOT AVAILABLE. REPEAT.

Fire Fighting

Flash Point:65.0F,18.3C

Extinguishing Media:DRY CHEMICAL, CO2, ALCOHOL FOAM. WATER MAY BE INEFFECTIVE.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:IODINE IS AN OXIDIZING AGENT THAT WILL SUPPORT COMBUSTION AND CAN REACT WITH EXPLOSIVE VIOLENCE WHEN MIXED WITH SOME MATERIALS.

Accidental Release

Spill Release Procedures:PROVIDE VENTILATION, PROTECTION FROM CONTACT. COVER SPILL AREA WITH EXCESS REDUCING AGENT(HYPO, BISULFATE, OR FERROUS SALT AND 3M H2SO4) NEUTRALIZE WITH SODA ASH.

Neutralizing Agent:SODA ASH

Handling

Handling and Storage Precautions:STORE IN TIGHTLY CLOSED CONTAINER IN A COOL, DRY, WELL-VENTILATED AREA AWAY FROM SOURCES OF HEAT AND IGNITION, AWAY FROM REACTIVE OR COMBUSTIBLE MAT.

Other Precautions:AVOID BREATHING VAPORS. DO NOT WEAR CONTACT LENSES IN VAPORS. CERTAIN INDIVIDUALS MAY DEVELOP SENSITIZATION TO IODINE.

Exposure Controls

Respiratory Protection:IN AN EMERGENCY USE AN APPROVED SELF-CONTAINED OR AIR SUPPLIED RESPIRATOR.

Ventilation:PROVIDE LOCAL EXHAUST TO MEET 0.1 PPM CEILING.

Protective Gloves:RUBBER

Eye Protection:CHEMICAL SAFETY GOGGLES

Other Protective Equipment:SAFETY SHOWER AND EYE BATH. OTHER EQUIPMENT AS REQUIRED TO MINIMIZE EXPOSURE FROM PROLONGED OR REPEATED CONTACT.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

Chemical Properties

HCC:F2

Boiling Pt: =82.8C, 181.F

Spec Gravity: .920

Solubility in Water: 100

Appearance and Odor: DARK AMBER SOLUTION WITH HALOGEN ODOR

Stability

Stability Indicator/Materials to Avoid: YES

AMMONIA, POWDERED METALS AND ALKALI METALS, AND STRONG REDUCING AGENTS.

Stability Condition to Avoid: HIGH TEMPERATURES, SPARKS, AND OPEN FLAMES

Hazardous Decomposition Products: SHOCK SENSITIVE IODIDES FROM AMMONIUM

HYDROXIDE WHEN DRIED. IODINE AND IODIDE VAPORS WHEN HEATED.

Disposal

Waste Disposal Methods: DISPOSE OF WASTE VIA A LICENSED HANDLER, OR RETURN WASTE TO SUPPLIER FOR IODINE VALUES, OR BURY IN A SANITARY LANDFILL. FOLLOW FEDERAL, STATE AND LOCAL REGULATIONS.

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