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Item #0395-1213

IODINE TINCTURE USP, 2% **DATE ISSUED:** 04/10/07

SECTION I **PRODUCT IDENTIFICATION**

PRODUCT NAME: Iodine Tincture 2%

FORMULA: Mixture: Iodine + Sodium Iodide + Ethanol + Water

FORMULA WT: .00

SECTION II **HAZARDOUS COMPONENTS**

Component	Percent	CAS No.
Ethanol	45 - 55%	64-17-5
Iodine	2%	7553-56-2

SECTION III **PHYSICAL DATA**

Boiling Point: NA

Melting Point: NA

Specific Gravity: (H_2O = 1) 0.96

Solubility: (In water) Appreciable (more than 10%)

Vapor Pressure: (mmHg) NA

Vapor Density: (Air=1) NA

Evaporation Rate (Butyl Acetate=1): NA

Appearance and Odor: Reddish-brown liquid with odor of iodine and alcohol.

% Volatiles by Volume: 98

SECTION III A DEGREE OF HAZARD

Degree of Hazard

4 - Extreme	Flammability	3
3 - High	Health	2
2 - Moderate	Reactivity	0
1 - Slight	Special Hazard	0
0 - Insignificant		

SECTION IV FIRE AND EXPLOSION HAZARDS

Flash Point: 24°C (76°F)

Extinguishing Media: Use alcohol foam, dry chemical or carbon dioxide. (Water may be ineffective).

Special Firefighting Procedures and Precautions: Firefighters should wear proper protective equipment and self-contained (positive pressure if available) breathing apparatus with full facepiece. Move exposed containers from fire area if it can be done without risk. Use water to keep fire-exposed containers cool.

Unusual Fire and Explosion Hazards: Vapors may flow along surfaces to distant ignition sources and flash back. Closed containers exposed to heat may explode. Contact with strong oxidizers may cause fire.

SECTION V HEALTH HAZARD DATA

Effects of Overexposure: Liquid may be irritating to skin, eyes, and mucous membranes.

First Aid Instructions for Accidental Exposure:

If on Skin: Wash with soap and water.

If in Eyes: Flush with large amounts of water while lifting upper and lower lids occasionally. Get medical attention.

If Inhaled: Provide fresh air. Consult a doctor if irritation occurs.

If Swallowed: Give milk; then give a starch solution made by mixing two tablespoonsfull of cornstarch or flour to a pint of water. Get medical attention immediately.

SECTION VI REACTIVITY DATA

Stability: Stable

Hazardous Polymerization: Will not occur.

Conditions to avoid: Heat, flame, sources of ignition.

Incompatibles: Strong oxidizing agents, aluminum.

Decomposition Products: Iodine

SECTION VII SPILL AND DISPOSAL PROCEDURES

Steps to be taken in the event of a spill or discharge: Wear suitable protective clothing. Shut off ignition sources; no flares, smoking, or flames in area. Stop leak if you can do so without risk. Use water spray to reduce vapors. Take up with sand or other non-combustible absorbent material and place into container for later disposal. Flush area with water.

Disposal Procedures: Dispose in accordance with all applicable federal, state, and local environmental regulations.

SECTION VIII INDUSTRIAL PROTECTIVE EQUIPMENT

Ventilation: Use adequate general or local exhaust ventilation to keep vapor and mist levels as low as possible.

Respiratory Protection: Respiratory protection required if airborne concentration exceeds TLV. At concentrations above 1 ppm, a self-contained breathing apparatus is advised.

Eye/Skin Protection: Safety glasses with sideshields and rubber gloves are recommended.

SECTION IX STORAGE AND HANDLING PRECAUTIONS

Special Precautions: Bond and ground containers when transferring liquid. Keep container tightly closed. Store in a cool, dry, well-ventilated, flammable liquid storage area.

The information published in this Material Safety Data Sheet has been compiled from our experience and data presented in various technical publications. It is the user's responsibility to determine the suitability of this information for the adoption of necessary safety precautions. We reserve the right to revise material safety Data Sheets periodically as new information becomes available.