

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND DOCUMENT IDENTIFICATION

Product Identity: Gentle Iodine Teat Dip (5.0% Conc.) **Product Code:** 5.0%ITD, 089-20

Manufactured by: Radix Laboratories, Inc.
1334 International Drive
Eau Claire, WI 54701

Emergency Telephone: (800) 424-9300
Date Prepared: April 24, 2013
Replaces issue of: N/A

Information Telephone: (715) 833-0644
Contact: Radix Laboratories Inc.
Prepared By: Terry Krueger

2. IDENTIFICATION OF SIGNIFICANT CHEMICAL COMPONENTS:

| <u>Component</u> | <u>CAS NO.</u> | <u>OSHA PEL</u> | <u>ACGIH TLV</u> | <u>mg/mL</u> |
|-------------------------|-----------------------|------------------------|-------------------------|---------------------|
| Iodine | 7553-56-2 | Not Listed | 0.1ppm STEL | 50 |
| Glycerin | 56-81-5 | 0.5 mg/m ³ | 10 mg/m ³ | 300 |
| Surfactant | N/A | N/A | N/A | N/A |

3. FIRE/EXPLOSION HAZARDS:

Flash Point (Method Used): >199°C (390°F) ASTM Closed Cup

Flammable Limits: Not Available.

Extinguishing Media: Any media is acceptable.

Special Fire Fighting Procedures: Usual fire fighting equipment including self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: Iodine and acrolein expected to be in vapor/smoke.

4. FIRST-AID MEASURES:

Signs and Symptoms of Exposure: Concentrate is irritating to skin, nasal and respiratory tracts, and eyes. Ingestion of even small amounts may cause nausea/vomiting.

Medical Conditions Generally Aggravated by Exposure: Hypersensitivity is possible.

Emergency and First Aid Procedures:

SKIN: If exposed remove contaminated clothing, wash with soap and water for 15 minutes.

EYES: Flush with cold water for 15 minutes. Seek medical attention to treat potential long term eye problems.

INGESTION: Seek medical attention immediately. Have patient drink plenty of water before inducing vomiting. Never give anything by mouth to an unresponsive person.

5. PRECAUTIONS FOR SAFE HANDLING AND USE:

Clean up of Released/Spilled Material: Ventilate area of spill, collect material for disposal. Wear protective equipment during clean up. After clean up, flush area with water.

Waste Disposal Method: Incinerate waste at facility operating in compliance with applicable federal, state and local regulations.

Handling and Storing Precautions: Store at room temperature. Avoid extremes in temperature. Handle to avoid breakage or spillage. Avoid exposure to direct sunlight.

Other Precautions: Use only in accordance with label instructions. Avoid contact with skin and eyes. Avoid ingestion.

Dilution Safety Precautions: Dilutions of this concentrated product that are prepared according to label instructions are safe to handle for short periods without skin protection. Use product only in accordance with its labeling. Avoid prolonged skin exposure to any dilutions. Ingestion of any dilution should be treated with the same severity as ingesting the concentrate.

6. EXPOSURE CONTROL MEASURES:

Respiratory Protection: Not normally required.

Ventilation: Local exhaust should be provided.

Protective Clothing or Equipment: Impervious gloves, goggles, lab coat or similar clothing.

Work/Hygienic Practices: Avoid contact with eyes, skin, mucous membranes. Avoid ingestion. Wash hands and face before eating, drinking or smoking. Staining of exposed skin will occur.

7. PHYSICAL/CHEMICAL CHARACTERISTICS:

Boiling Point: N/A

Specific Gravity (H₂O = 1): 1.2

Vapor Pressure (mm Hg): N/A

Melting Point: N/A

Vapor Density (Air = 1): N/A

Evaporation Rate: N/A

pH: 3.0-4.0

(Butyl Acetate = 1)

Solubility in Water: Complete if stored at 59-86F.

Appearance and Odor: Dark brown liquid with little to no odor. Faint iodine/alcohol odor.

8. REACTIVITY INFORMATION:

Stability: Stable

Conditions to Avoid: None

Incompatibility (Materials to Avoid): Oxidizers, Alkalais

Hazardous Decomposition or Byproducts: Emits toxic fumes under fire conditions.

Hazardous Polymerization: Will not occur

9. TOXICOLOGICAL HAZARD INFORMATION:

Route(s) of Entry: Ingestion, skin, eyes.

Health Hazards (Acute and Chronic): Irritation to skin/eyes may occur on contact. Possible hypersensitization may occur. Very toxic to aquatic organisms.

Carcinogenicity: None

Toxicity: LD50 (Oral-Rat) 2 g/kg.