

MATERIAL SAFETY DATA SHEET

Product Identity: Hypertonic Lactated Ringers

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

**Emergency Telephone: (715) 833-0644
Date Prepared: Aug. 24, 2006
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SIGNIFICANT COMPONENTS:

<u>Component</u>	<u>CAS NO.</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>mg/mL</u>
Sodium Chloride	7647-14-5	Not Listed	Not Listed	60.0
Sodium Lactate	72-17-3	Not Listed	Not Listed	31.0
Potassium Chloride	7447-40-7	Not Listed	Not Listed	3.0
Calcium Chloride	10035-04-8	Not Listed	Not Listed	2.0

PHYSICAL/CHEMICAL CHARACTERISTICS:

Boiling Point: N/A

Specific Gravity (H₂O = 1):N/A

Vapor Pressure (mm Hg): N/A

Melting Point: N/A

Vapor Density (Air = 1): N/A

Evaporation Rate: N/A

(Butyl Acetate = 1)

Solubility in Water: Complete

Appearance and Odor: Clear liquid with little to no odor

FIRE/EXPLOSION HAZARDS:

Flash Point (Method Used): N/A (water based)

Flammable Limits: N/A

Extinguishing Media: Usual fire fighting equipment including self-contained breathing apparatus.

Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: None

REACTIVITY INFORMATION:

Stability: Stable

Conditions to Avoid: None

Incompatibility (Materials to Avoid): None

Hazardous Decomposition or Byproducts: None

Hazardous Polymerization: Will not occur

HEALTH HAZARD INFORMATION:

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

Health Hazards (Acute and Chronic): Irritation to skin/eyes may occur on contact.
Ingestion may cause nausea and/or vomiting.

Carcinogenicity: None

Signs and Symptoms of Exposure: Irritating to skin, nasal and respiratory tracts, and eyes for extreme overexposure. Ingestion of large amounts may produce nausea.

Medical Conditions Generally Aggravated by Exposure: None known

Emergency and First Aid Procedures: SKIN: Wash with soap and water, remove contaminated clothing.
EYES: Flush with water for 15 minutes.
INGESTION: Drink large quantities of milk or water to dilute.
Seek medical attention if symptoms persist. (Never give anything by mouth to an unconscious person.)

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: Dispose as non-hazardous 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.

Other Precautions: Avoid contact with skin and eyes. Avoid ingestion.

CONTROL MEASURES:

Respiratory Protection: Not normally required.

Ventilation: Local exhaust should be provided.

Protective Clothing or Equipment: Impervious gloves, goggles

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