

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND DOCUMENT IDENTIFICATION

Product Identity: CAL-PLEX FORTE **Product Code:** CAPL-F, 009-99

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

Emergency Telephone: (800) 927-2349

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Information Telephone: (715) 833-0644

Contact: Radix Laboratories Inc.

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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>
Calcium Hypophosphite	7789-79-9	Not Listed	Not Listed	36.5 mg/mL
Amino Acids	56-86-0 (ex.)	Not Listed	Not Listed	2.7 mg/mL
Potassium Chloride	7447-40-7	None	10	15.0 mg/mL
Dextrose	50-99-7	None	None	275 mg/mL

3. FIRE/EXPLOSION HAZARDS:

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

Flammable Limits: N/A

Extinguishing Media: Water spray

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

Unusual Fire and Explosion Hazards: None

4. FIRST-AID MEASURES:

Signs and Symptoms of Exposure: Irritating to skin, nasal and respiratory tracts, and eyes.

Ingestion of large amounts may cause nausea/vomiting.

Medical Conditions Generally Aggravated by Exposure: None known

Emergency and First Aid Procedures: Treat Symptomatically

SKIN: Wash with soap and water, remove contaminated clothing.

EYES: Flush with cold water for 15 minutes.

INGESTION: Seek medical attention and/or poison control center immediately. Induce vomiting if victim is conscious. (Never induce vomiting if victim is unconscious.)

5. PRECAUTIONS FOR SAFE HANDLING AND USE:

Clean up of Released/Spilled Material: Ventilate area of spill, wear eye protection and cover skin. Flush to drain using plenty of water.

Waste Disposal Method: Dispose as non-hazardous waste 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. Store out of reach of children.

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

Dilution Safety Precautions: N/A - only used at full strength.

6. EXPOSURE CONTROL MEASURES:

Respiratory Protection: Not normally required.

Ventilation: Local exhaust is helpful, but not normally required.

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.

7. PHYSICAL/CHEMICAL CHARACTERISTICS:

Boiling Point: 100°C

Vapor Pressure (mm Hg, 20°C): (Water)

Vapor Density (Air = 1): (Water)

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

Appearance and Odor: Clear liquid with meat odor.

Specific Gravity (20°C): 1.12

Evaporation Rate: (Water)

pH: 3.0 - 4.0

Autoignition: N/A

Freezing Point: 0°C

8. REACTIVITY INFORMATION:

Stability: Stable when stored at 59-86°F.

Conditions to Avoid: Avoid direct sunlight. Storage below 59°F causes a reversible precipitation.

Incompatibility (Materials to Avoid): N/A

Hazardous Decomposition or Byproducts: Phosphine (from hypophosphite)

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. Ingestion may cause nausea/vomiting.

Carcinogenicity: None, also nonmutagenic

LD50: No information available.