

MATERIAL SAFETY DATA SHEET

Used to comply with OSHA's Hazard Communication Standard. 29 CFR 1910.1200. Standard must be consulted for specific requirements.
Made on the base of the Form (OSHA 174, Sept. 1985, approved OMB No. 1218-0072)
U. S. Department of Labor, Occupational Safety and Health Administration.

IDENTITY (As used on Label and List):

Crop+™

SECTION I

Manufacturer's Name and Address:

Cytozyme Laboratories, Incorporated
2700 South 600 West
Salt Lake City, UT 84115 U.S.A.

Emergency Telephone Number: (800) 222-1222

Poison Control Center (24 hours)

Telephone Number for Information:

(801) 533-9208

Updated: August, 2000

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Section 313 EPA Supplier Notification Requirement: This product contains the following EPCRA Section chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372).

<u>CAS #</u>	<u>Chemical Name</u>	<u>Percent by Weight</u>
NA	Cobalt Compounds	0.2
NA	Copper Compounds	2.5
NA	Manganese Compounds	3.0
NA	Zinc Compounds	5.7

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: 212°F (100°C)

Specific Gravity: 1.30 g/ml

Vapor Pressure: Not applicable (N/A)

Melting Point: N/A

Vapor Density: N/A

Evaporation Rate: N/A

Solubility in water: Forms suspension.

pH: 2.5 – 3.5

Appearance and odor: Brown liquid with a characteristic organic odor.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: N/A **Flammable Limits:** N/A **LEL:** N/A **UEL:** N/A

Extinguishing Media: Use media appropriate for the surrounding fire.

Special Fire Fighting Procedure: No special measures required.

Unusual Fire and Explosion Hazards: Under thermal decomposition product may emit toxic fumes.

SECTION V - REACTIVITY DATA

Stability: Stable

Incompatibility (materials to avoid): Avoid contact with strong alkaline materials.

Hazardous Decomposition or Byproducts: If involved in a fire, oxides of carbon, sulfur, nitrogen, and metal fumes may be generated.

Hazardous Polymerization: Will not occur.

SECTION VI - HEALTH HAZARD DATA

Health Hazards (Acute and Chronic):

- Ingestion: May be harmful due to presence of micronutrients.
 Skin contact: Acute exposure not expected to cause skin irritation, chronic exposure may cause dry skin or skin irritation.
 Eye contact: May cause eye irritation.
 Inhalation: Expected to have slight acute toxicity by inhalation.

Carcinogenicity: No information.

Signs and Symptoms of Exposure:

- Ingestion: May cause nausea and abdominal cramps.
 Skin contact: Chronic skin exposure may cause dry skin and dermatitis.
 Eye contact: May cause irritation.
 Inhalation: May cause cough and irritation of nose and throat.

Medical Conditions Generally Aggravated by Exposure: Not known.

Emergency and First Aid Procedures:

- Ingestion: Give a glass of water. Do not induce vomiting unless directed by a doctor. Never give fluids or induce vomiting in unconscious persons. Contact a physician or Poison Control Center immediately.
 Skin contact: Wash thoroughly with soap and water.
 Eye contact: Wash with copious amount of water. If irritation persists contact physician.
 Inhalation: Remove person to fresh air. If irritation persists contact physician.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material is Released or Spilled:

Collect spill and containerize. Wash spill area with water.

Waste Disposal Method: Dispose according to the federal, state, or local regulations.

Precautions to be Taken in Handling and Storing: Keep out of the reach of children.

Do not store with food, feed or other materials for human or animal consumption. Keep container tightly closed. Store between 5° and 43°C (40° and 110°F).

Other Precautions: None.

SECTION VIII - CONTROL MEASURES

Respiratory Protection: Not required under normal conditions. Use respirator in the areas of potentially high aerosol concentration.

Ventilation: Not required under normal conditions. Local exhaust sufficient.

Protective Gloves: Not required under normal conditions. Recommended for workers with dermatitis.

Eye Protection: Not required under normal conditions. Splash guard goggles recommended if splashing or aerosol conditions exist.

Other Protective Clothing or Equipment: Not required under normal conditions. If eye or skin contact can occur washing facility for eyes and skin should be available nearby.

Work/Hygienic Practices: Avoid getting the product on you or in you. Wash hands after handling. Do not eat or drink while handling the product.

DISCLAIMER: The information contained herein is based upon data considered true and accurate. However, Cytozyme Laboratories, Inc. makes no warranties, expressed or implied, as to the accuracy or adequacy of the information contained herein or the results to be obtained from the use thereof. This information is offered solely for the user's consideration, investigation and verification. Since the use and conditions of use of this information and the material described herein are not within the control of Cytozyme Laboratories, Inc. Cytozyme Laboratories, Inc. assumes no responsibility for injury to the user or third persons. The material described herein is sold only pursuant to Cytozyme Laboratories, Inc. Terms and Conditions of Sale, information is in accordance with applicable federal, state or local laws and regulations.