

Celeste Industries Corp.
7978 Industrial Park Road

CELESTE CONTACT: 410-822-5775
24 HOUR EMERGENCY

Easton, Maryland 21601

CHEMTREC: 800-424-9300

Document control number: MSF49 - Rev 0

PART NUMBER: LS-5000/GDC

MATERIAL SAFETY DATA SHEET

PRODUCT IDENTIFICATION

Product Code : Biozyme GDC
MSDS Date : 4 January 2006
Supersedes : INITIAL ISSUE
Prepared By : Don Cooper

Hazard Rating
Health 0
Fire 0
Reactivity 0
Personal Protective Equipment. A

Scale: 4- Extreme 1- Slight
3- High 0- Insignificant
2- Moderate

COMPONENT INFORMATION

Exposure Limit Information in ppm

COMPONENT	CAS NO.	AMT. (%)	OSHA		ACGIH	
			TWA	STEL	TLV	STEL
Cellulase	9012-54-8		None	None	None	None
			None	None	None	None
			None	None	None	None
WATER	7732-18-5		None	None	None	None

No ingredients identified as hazardous as defined by OSHA are known to be present or the ingredients present are below the levels specified as hazardous by OSHA (Per 29 CFR 1910.1200)

- This product is not known to contain a substance subject to Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40CFR372 at or above de minimus amounts.

EMERGENCY RESPONSE INFORMATION

FIRST AID PROCEDURES

Inhalation: Unlikely rout of entry. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

Eye Contact : Remove contact lenses. Flush immediately with clean water for as least 15 minutes. Contact a physician if irritation persists.

Skin Contact: No treatment is necessary under ordinary conditions. If irritation occurs, wash area thoroughly. Direct contact for prolonged periods of time may cause mild skin irritation.

Ingestion: If swallowed, do not induce vomiting. Immediately give 2 glasses of water. Never give anything by mouth to an unconscious person. Call a physician

Chronic Effects: No known effects.

Subchronic Effects (Target Organ Effects): No effects known

FIRE FIGHTING INFORMATION

Unusual Hazards: None known.

Extinguishing Agents: Dry chemical, CO₂, foam, or water spray. Class BC, ABC fire extinguisher.

Personal Protective Equipment: Self contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals.

SPILL OR LEAK HANDLING INFORMATION

Personal Protection: Eye protection and gloves as outlined in Personal Protection Section.
Procedures: Clean up spill; dispose of material; rinse with water. May be neutralized with addition of soda ash. Dispose per applicable local, State and Federal regulations.

PHYSICAL/CHEMICAL CHARACTERISTICS

Fire and Explosive Properties

Flash Point.....	> 200 °F (> 93 C) PMCC
Auto-ignition temperature....	Not available
Lower Explosive Limit.....	Not applicable
Upper Explosive Limit.....	Not applicable

REACTIVITY INFORMATION

<u>Stability:</u>	Stable
<u>Conditions to Avoid:</u>	None.
<u>Hazardous Decomposition Products:</u>	None known.
<u>Hazardous Polymerization:</u>	Will Not occur.
<u>Incompatibility:</u>	None reasonably foreseeable

PERSONAL PROTECTION MEASURES

Respiratory Protection: None generally required (use NIOSH-approved respirator, if desired).
Avoid inhalation.

Eye Protection: Use goggles or face shield if splash to eyes may occur. Do not get in eyes.

Hand Protection: For prolonged or repeated use, chemically resistant gloves. Avoid contact with skin & clothing. Wash thoroughly after handling.

FACILITY CONTROL MEASURES

Ventilation: Local - ventilation meeting ACGIH criteria.

Other Protective Equipment: Use plastic or rubber apron to protect clothing, if needed.

STORAGE AND HANDLING INFORMATION

Storage Conditions: Store in a cool area; keep containers closed when not in use.
Handling Procedures: No special handling procedure except as outlined in other sections throughout this MSDS.

SUPPLEMENTAL INFORMATION

Typical Physical Properties

Appearance.....	
Color.....	Blue
State.....	Liquid
Odor Characteristic.....	none
pH.....	6.0 to 8.0
Specific Gravity (Water = 1).....	1.00
Density	8.34 lbs/ gallon
Vapor Density (Air = 1).....	Not applicable
Melting Point.....	Not available
Boiling Point.....	Not available
Solubility in water.....	Completely soluble
Percent Volatility.....	0
Evaporation rate (Butyl Acetate = 1).....	Not applicable

OTHER INFORMATION

Glycolic Acid is Approved and Registered by the US Department of Agriculture for dairy, meat, poultry and egg products processing equipment cleaning.

TOXICITY INFORMATION

Acute Data

Oral LD50..(Rat).....	Not Available
Dermal LD50....(Rabbit)	Not Available
Skin Irritation.....	Not Available
Eye Irritation.....	Not Available

WASTE DISPOSAL: Disposal in landfill approved for same, away from water supplies. Dispose of in accordance with applicable federal, state, and local regulations.

REGULATORY INFORMATION

WORKPLACE CLASSIFICATIONS:

OSHA (USA): Not OSHA regulated. . No ingredients identified as hazardous as defined by OSHA are known to be present or the ingredients present are below the levels specified as hazardous by OSHA (Per 29 CFR 1910.1200)

WHMIS (Canada): Not WHMIS regulated.

TRANSPORTATION:

DOT HAZARD CLASS Non-Hazardous Material

Packing Group: n/a

EMERGENCY PLANNING & COMMUNITY RIGHT-TO-KNOW (SARA TITLE 3)

Section 311/312 Categorizations (40CFR 370): This material contains no health or environmental hazardous substance at a level which requires notification under the Act.

Section 313 Information (40CFR 372): This material contains no toxic chemical at a level which is reportable under SARA Toxic Chemical Release Reporting Regulations.

RCRA INFORMATION: This material is not included in the lists of hazardous substances (40 CFR 261.33), nor does it exhibit the characteristics of hazardous waste (40 CFR 261.20-24)

Toxic Substances Control Act (TSCA): All components in this material are in the TSCA Inventory

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. **Celeste Industries Corporation** assumes no responsibility for personal injury or property damage to vendors, users or third parties caused by the material. Such vendors or users assume all risks associated with the use of the material.

ABBREVIATIONS:

ACGIH = American Conference of Government Industrial Hygienists
IATA = International Air Transport Association
ICAO = International Civil Aviation Organization
OSHA = Occupational Safety and Health Administration
PEL = Permissible Exposure
STEL = Short-Term Exposure Limit
TLV = Threshold Limit Value
TWA = Time Weighted Average
WHMIS= Workplace Hazardous Materials Information System