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24 HOUR EMERGENCY -  
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Document control number: MSF23 - Rev 6

PART NUMBER: LB-GLYVAK  
SP-GVAK Series

## MATERIAL SAFETY DATA SHEET

### PRODUCT IDENTIFICATION

Product Code : Gly-Vak  
MSDS Date : 22 March 2011  
Supersedes : 6 January 2011  
Prepared By : D A Cooper

**Hazard Rating**  
Health ..... 1  
Fire ..... 0  
Reactivity ..... 0  
Personal Protective Equipment. B

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
Blend of mild natural organic acids	N/A	4-7%	None	None	None	None
Surfactant Blend	N/A	1-3%	None	None	None	None
Rheology (gel & flow properties) modifiers	N/A	<1%	None	None	None	None
WATER	7732-18-5	>80%				

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:** Inhalation of vapors from the heated product may cause mild irritation of the nose and throat in sensitive individuals.

**Eye Contact :** May cause mild eye irritation - Flush immediately with clean water for as least 15 minutes. Contact a physician if irritation persists.

**Skin Contact:** Direct contact for prolonged periods of time may cause mild skin irritation.

**Ingestion:** May cause irritation in mouth, gullet and stomach. If swallowed, water should be consumed to dilute. Do not induce vomiting. Do not give emetics or baking soda. Call a physician

**Chronic Effects:** No known effects.

**Sub-chronic Effects (Target Organ Effects):** No effects known

**FIRE FIGHTING INFORMATION**

**Unusual Hazards:** None known.

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

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

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**SPILL OR LEAK HANDLING INFORMATION**

**Personal Protection:** Safety glasses and gloves are recommended. There is no special Personal Protection required for household/industrial spills of this product. Eye protection and gloves are required for production/manufacture personnel.

**Procedures:** Clean up spill; rinse with water. Dispose per applicable local, State and Federal regulations.

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**PHYSICAL/CHEMICAL CHARACTERISTICS**

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**Fire and Explosive Properties**

Flash Point.....	> 200 °F
Auto-ignition temperature....	Not available
Lower Explosive Limit.....	Not applicable
Upper Explosive Limit.....	Not applicable

**REACTIVITY INFORMATION**

<b><u>Stability:</u></b>	Stable
<b><u>Conditions to Avoid:</u></b>	None.
<b><u>Hazardous Decomposition Products:</u></b>	None known.
<b><u>Hazardous Polymerization:</u></b>	Will Not occur.
<b><u>Incompatibility:</u></b>	Strong oxidizers agents.

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**PERSONAL PROTECTION MEASURES**

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

**Eye Protection:** Use goggles or face shield if splash to eyes may occur.

**Hand Protection:** For prolonged or repeated use, chemically resistant gloves.

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**FACILITY CONTROL MEASURES**

**Ventilation:** Local - ventilation meeting ACGIH criteria.

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

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**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.

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**SUPPLEMENTAL INFORMATION**

**Typical Physical Properties**

Appearance.....	Water clear liquid
Color.....	Water clear
State.....	Liquid
Odor Characteristic.....	None
pH.....	Greater than 3.0
Viscosity.....	same as water
Specific Gravity (Water = 1).....	same as water
Vapor Density (Air = 1).....	Not applicable
Melting Point.....	Not available
Boiling Point.....	same as water
Solubility in water.....	Completely soluble
Percent Volatility.....	0%
Evaporation rate (Butyl Acetate = 1).....	Not applicable

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**OTHER INFORMATION**

The Hydroxy acetic acids used in this product are approved and Registered by the US Department of Agriculture for dairy, meat, poultry and egg products processing equipment cleaning.

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**TOXICITY INFORMATION**

**Acute Data**

Oral LD50..(Rat).....	>10,000 mg/Kg (10% Hydroxy Acids) - Table salt is 1750 mg / Kg
Dermal LD50....(Rabbit)	Not Applicable - not absorbable through the skin.
Skin Irritation.....	Mild
Eye Irritation.....	Irritant

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

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## REGULATORY INFORMATION

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### 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.

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### TRANSPORTATION:

**DOT HAZARD CLASS**            Non-Hazardous Material

**Packing Group:**    n/a

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### 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