

Celeste Industries Corp.
7978 Industrial Park Road
Easton, Maryland 21601

CELESTE CONTACT: 410-822-5775
24 HOUR EMERGENCY -
CHEMTREC: 800-424-9300

Document control number: MSF20 - Rev 6

PART NUMBERS: SW-GS/55
SW-GS/5
LB-GLYCOSAN

MATERIAL SAFETY DATA SHEET

PRODUCT IDENTIFICATION

| | | | |
|--------------|------------------|--------------------------------|---------|
| Product Code | : Glyco-San | Hazard Rating | |
| MSDS Date | : 22 AUGUST 2006 | Health | 1 |
| Supersedes | : 3 MAY 2006 | Fire | 0 |
| Prepared By | : L.G. Griffith | 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 |
| Alph Hydroxy acid | N/A | <20% | None | None | None | None |
| Surfactant Blend | N/A | <5% | None | None | None | None |
| WATER | 7732-18-5 | >75% | | | | |

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 : 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: Concentrated solutoins may cause pain, irritation and burns 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.

Subchronic 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.

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 |
| 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> | Reacts with active metals (like sodium), oxidizing agents (such as strong nitric acid), cyanide salts or sulfide salts to produce hydrogen, oxides of nitrogen, hydrogen cyanide or hydrogen sulfide gases, respectively. |

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.

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 but above 50 F; 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..... | Water clear liquid |
| Color..... | Water clear |
| State..... | Liquid |
| Odor Characteristic..... | None |
| pH..... | Between pH 2.0 & pH 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..... | Not available |
| 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)..... | 6783mg/kg |
| Dermal LD50....(Rabbit) | Not Available |
| Skin Irritation..... | Mild |
| Eye Irritation..... | Irritant |

WASTE DISPOSAL: May be neutralized with lime or soda ash. 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

DOT/IMO Label: N/A

Packing Group: N/A

Ground Shipments: NO LIMIT on Container size

Air Passenger Shipments: NO LIMIT on Container size

Air Cargo Shipments: NO LIMIT on Container size

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