

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Product form	:	Mixture, liquid
Product name.	:	Gly-Vak
Product group	:	Trade product
Product code	:	LB-GLYVAK/1
Part number	:	SP-GVAK series

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### 1.2.1. Relevant identified uses

Use of the substance/preparation : Scale removal in vacuum waste lines

#### 1.2.2. Uses advised against

No data available

### 1.3. Details of the supplier of the safety data sheet

Celeste Industries Corporation  
8221 Teal Drive, suite 405  
Easton, Maryland 21601 (USA)  
Within USA: (410) 822-5775  
International: 00 (1) 410-822-5775  
e-mail: info@celestecorp.com

### 1.4. Emergency telephone number

Emergency contact number : For Chemical Emergency, Spill, Leak, Fire, Exposure or Accident call CHEMTREC (24 hours)  
within USA and CANADA: 1-800-424-9300  
Outside USA and Canada (collect call accepted): 1-703-527-3883

## SECTION 2: Hazards identification

### 2.1. Classification of the mixture

#### Classification according to CLP Regulation (EC) No 1272/2008

Skin Irrit. 2, H315  
Eye Dam. 1, H318

Full text of H-phrases: see section 16

#### Adverse physicochemical, human health and environmental effects

No data available

### 2.2. Label elements

#### Classification according to CLP Regulation (EC) No 1272/2008

Hazard Pictogram :



Signal Word : Warning

Hazard Statement : H315 – Causes skin irritation  
: H318 – Causes serious eye damage

Precaution Statement : P280 – Wear protective gloves/protective clothing/eye protection/face protection.  
: P302 + P350 – IF ON SKIN: Gently wash with plenty of soap and water  
: P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.

### 2.3. Other hazards

No additional information available.

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
l-(+)-lactic acid	(CAS No.) 79-33-4 (EC no) 201-196-2	4- 5%	Skin Irrit. 2, H315 Eye Dam. 1, H318
Glycolic acid	(CAS No.) 79-14-1 (EC no) 201-180-5	< 1%	Skin Corr. 1B, H314 Acute Tox. 4, H302
Dodecylbenzenesulphonic acid	(CAS No.) 27176-87-0 (EC no) 248-289-4	< 2%	Acute Tox. 4, H302 Skin Corr. 1B, H314

For a full text of phrases, see section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

- First-aid measures after inhalation : If respiratory irritation occurs upon inhalation, remove to fresh air. Seek medical attention if symptoms develop or persist.
- First-aid measures after skin contact : If splashed or spilled on skin, rinse with plenty of water.
- First-aid measures after eye contact : Immediately flush eyes thoroughly with water for at least 15 minutes.
- First-aid measures after ingestion : Seek medical attention immediately. If the person is fully conscious, make him/her drink water. Never give an unconscious person anything to drink. Do not induce vomiting.

### 4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries after inhalation : Inhalation of mist or aerosol may cause irritation to nose and throat
- Symptoms/injuries after skin contact : Repeated or prolonged direct skin contact may cause irritation or drying of skin.
- Symptoms/injuries after eye contact : May cause irritation to the eyes.
- Symptoms/injuries after ingestion : May cause irritation to the respiratory tract and to other mucous membranes.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

- Suitable extinguishing media: : Carbon dioxide (CO<sub>2</sub>). Dry chemical powder. Water spray.
- Unsuitable extinguishing media : None known.

### 5.2. Special hazards arising from the substance or mixture

- Fire hazard : Non combustible
- Reactivity : Stable under normal conditions of use.

### 5.3. Advice for firefighters

- Protective equipment for firefighters : Wear proper protective equipment including self-contained breathing apparatus.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Eliminate all ignition sources if safe to do so. Ensure adequate ventilation. Avoid contact with skin and eyes.

#### 6.1.1. For non-emergency personnel

- Protective equipment : Chemical resistant gloves as needed. Use splash goggles to prevent eye contact as needed.

#### 6.1.2. For emergency responders

- Protective equipment : Chemical resistant gloves. Use splash goggles when eye contact due to splashing is possible.

### 6.2. Environmental precautions

No special requirements

### 6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. For large spills, dike with dirt, then remove by vacuum truck for disposal.

# Safety Data Sheet

## 6.4. Reference to other sections

Refer to sections 8 and 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin and eyes.  
Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.

### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures: : Provide adequate ventilation.  
Storage condition(s) : Store in dry, cool, well-ventilated area; avoid freezing.

### 7.3. Specific end use(s)

No data available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No data available

### 8.2. Exposure controls

Appropriate engineering controls : Ensure adequate ventilation.  
Personal protective equipment : Chemical resistant gloves; protective eye wear.



Hand protection : Chemical resistant gloves.  
Eye protection : Wear protective eye ware.  
Skin and body protection : Plastic apron to protect clothing. Wear suitable protective clothing.  
Respiratory protection : Normally not required.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Liquid  
Appearance : Viscous  
Colour : Amber, straw colored  
Odour : None  
Odour threshold : No data available  
pH : > 3  
Melting point : No data available  
Freezing point : 0 °C  
Boiling point : 100 °C  
Flash point : None  
Relative evaporation rate (butylacetate=1) : Not applicable  
Flammability (solid, gas) : No data available  
Explosive limits : Not applicable  
Vapour pressure : No data available  
Relative vapour density at 20 °C : Not applicable  
Relative density : No data available  
Density : 0.95 – 1.05  
Solubility : Soluble in water  
Log Pow : No data available  
Log Kow : No data available  
Self ignition temperature : No data available  
Decomposition temperature : No data available  
Viscosity, kinematic : No data available  
Viscosity, dynamic : No data available  
Explosive properties : Not explosive or oxidizing

### 9.2. Other information

No data available

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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under normal conditions of use.

### 10.2. Chemical stability

Stable under normal conditions of use.

### 10.3. Possibility of hazardous reactions

None known.

### 10.4. Conditions to avoid

No data available

### 10.5. Incompatible materials

No data available

### 10.6. Hazardous decomposition products

None known.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

Gly-Vak	
LD50 oral rat	> 10000 mg/kg 10% Hydroxy acid
LD50 dermal rat	Not applicable – not absorbable through the skin

Skin corrosion/irritation : Not classified  
pH: > 3

Serious eye damage/irritation : Not classified  
pH: > 3

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

## SECTION 12: Ecological information

### 12.1. Toxicity

No significant harmful effects anticipated.

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

Gly-Vak	
This substance/mixture does not meet the PBT criteria of REACH, annex XIII.	
This substance/mixture does not meet the vPvB criteria of REACH, annex XIII.	

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional legislation (waste) : Dispose of contents/container to comply with applicable local, national and international regulations.

Waste disposal recommendations : Comply with local regulations for disposal.

## SECTION 14: Transport information

Not classified as dangerous for transport.

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU-Regulations

Contains no REACH candidate substance

Other regulations, restrictions and prohibition regulations : Conforms to Regulation (EC) No. 1907/2006, Annex II (REACH), as amended by (EU) No. 453/2010.

#### 15.1.2. National regulations

No data available

### 15.2. Chemical safety assessment

CSA has not been established

## SECTION 16: Other information

Sources of Key data : SDS, MSDS

Abbreviations and acronyms : ACGIH (American Conference of Government Industrial Hygienists). ASTM - American Society for Testing and Materials . CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. EC - European Community. GHS - Globally Harmonised System. HMIS - Hazardous Materials Identification System. MSDS - Material Safety Data Sheet. OSHA - Occupational Safety and Health Administration. Overland transport (ADR). PEL- Permissible Exposure Level. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. Relat - Relative. SDS - Safety Data Sheet . STEL- Short-Term Exposure Limit . TLV- Threshold Limit Value. TWA- Time Weighted Average.

Full text of -phrases:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal) Category 4
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Skin Irrit. 2	skin corrosion/irritation Category 2
Skin Corr. 1B	Skin corrosivity, Category 1
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302 + P350	IF ON SKIN: Gently wash with plenty of soap and water
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.

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