Gly-Vak Concentrate

Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2024
Issue date: 10/10/2025 Revision date: 10/10/2025 Version: 1.0

SECTION 1 Identification

1.1. Product identifier

Product form : Mixture
Product name : Gly-Vak Concentrate
Product code : Formula : LB-GLYVAK5X/4
Part No: LB-GLYVAK5X/4

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Cleaning agent, Industrial use

1.4. Supplier's details

Manufacturer
Celeste Industries Corporation
8007 Industrial Park Road
Easton, Maryland 21601 USA
T 1-410-822-5775
info@celestecorp.com - www.celestecorp.com

1.5. Emergency phone number

Emergency 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 Hazard Identification

2.1. Classification of the substance or mixture

GHS US classification

Skin corrosion/irritation, Category 1B	Causes severe skin burns.
Serious eye damage/eye irritation, Category 1	Causes serious eye damage.
Carcinogenicity, Category 1A	May cause cancer.
Health hazard not otherwise classified, Category 1	Causes severe damage to the respiratory track.

2.2. Label elements

GHS US labeling

Hazard pictograms (GHS US) :

Signal word (GHS US) : Danger
Hazard statements (GHS US) : Causes severe skin burns and eye damage
May cause cancer.Causes severe damage to the respiratory track.

Precautionary statements (GHS US) : Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Do not breathe dust, fume, gas, mist, spray, vapours.
Wash hands, forearms and face thoroughly after handling.

Wear protective gloves, protective clothing, face protection, eye protection.
If exposed or concerned: Get medical advice/attention.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
Take off immediately all contaminated clothing and wash it before reuse.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If swallowed: rinse mouth. Do NOT induce vomiting.
Immediately call a poison center or doctor.
Store locked up.
Dispose of contents and container to a hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

2.4. Hazards not otherwise classified

No additional information available

2.5. Unknown acute toxicity

Not applicable.

SECTION 3 Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	Conc. (% w/w)
L-Lactic acid	CAS-No.: 79-33-4	15-40
Sodium 1-octanesulfonate	CAS-No.: 5324-84-5	5-10
Benzenesulfonic acid, C10-16-alkyl derivatives (Alt CAS 27176-87-0, 85536-14-7)	CAS-No.: 68584-22-5	5-10
Dodecylbenzenesulfonic acid	CAS-No.: 27176-87-0	5-10
Benzenesulfonic acid, 4-C10-13-sec-alkyl derivatives	CAS-No.: 85536-14-7	5-10
Poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-hydroxy-, mono-C8-10-alkyl ethers, phosphates	CAS-No.: 68130-47-2	1-5
Sodium hydroxide	CAS-No.: 1310-73-2	1-5
Phosphoric acid	CAS-No.: 7664-38-2	<0.5
Sulfuric acid	CAS-No.: 7664-93-9	<0.5

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

SECTION 4 First aid measures

4.1. Description of necessary first-aid measures

First-aid measures general : IF exposed or concerned: Get medical advice/attention.

First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician.

First-aid measures after skin contact : If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER or doctor.

First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.

First-aid measures after ingestion : IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Immediately call a POISON CENTER or doctor.

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects after inhalation : Causes severe damage to the respiratory track.
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Symptoms/effects after skin contact : Causes severe skin burns. Symptoms may include redness, pain, blisters.

Symptoms/effects after eye contact : Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. May cause burns.

Symptoms/effects after ingestion : May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea. May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.

Chronic symptoms : May cause cancer.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Other medical advice or treatment : Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

Unsuitable extinguishing media : Do not use water jet.

5.2. Specific hazards arising from the chemical

Fire hazard : Products of combustion may include, and are not limited to: oxides of carbon. irritating fumes.

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

For non-emergency personnel

Emergency procedures : Do not touch or walk on the spilled product.

For emergency responders

Environmental precautions : Prevent entry to sewers and public waters.

6.2. Methods and materials for containment and cleaning up

For containment : Stop leak if safe to do so. Absorb and/or contain spill with inert material (sand, vermiculite or other appropriate material), then place in suitable container. Do not flush into surface water or sewer system. Wear recommended personal protective equipment.

Methods for cleaning up : Sweep or shovel spills into appropriate container for disposal. Provide ventilation.

For further information refer to section 8: "Exposure controls/personal protection"

SECTION 7 Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust, fume, gas, mist, spray, vapors. Do not get in eyes, on skin, or on clothing. Do not swallow. When using do not eat, drink or smoke. Handle and open container with care. Provide adequate ventilation. Wear appropriate PPE (see Section 8).

Hygiene measures : Take off immediately all contaminated clothing and wash it before reuse. Wash hands, forearms and face thoroughly after handling.

7.2. Conditions for safe storage, including incompatibilities

Storage conditions : Keep out of the reach of children. Keep container tightly closed. Store in a dry, cool and well-ventilated place. Keep out of direct sunlight. Store locked up.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

Phosphoric acid (7664-38-2)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Phosphoric acid
ACGIH® TLV® TWA	1 mg/m³
ACGIH® TLV® STEL	3 mg/m³
Remark (ACGIH®)	TLV® Basis: Eye, Skin & URT irr
Regulatory reference	ACGIH 2025
USA - OSHA - Occupational Exposure Limits	
OSHA PEL TWA	1 mg/m³
USA - Cal/OSHA - Occupational Exposure Limits	
Local name	Phosphoric acid
Cal/OSHA PEL (OEL TWA)	1 mg/m³
Cal/OSHA STEL	3 mg/m³
Regulatory reference	California Division of Occupational Safety and Health (Cal/OSHA) - Permissible Exposure Limit for Chemical Contaminants (Table AC-1)
USA - IDLH - Occupational Exposure Limits	
IDLH	1000 mg/m³
USA - NIOSH - Occupational Exposure Limits	
NIOSH REL (TWA)	1 mg/m³
NIOSH REL (STEL)	3 mg/m³

Sulfuric acid (7664-93-9)	
USA - ACGIH - Occupational Exposure Limits	
ACGIH® TLV® TWA	0.2 mg/m³ (thoracic particulate matter)

Sulfuric acid (7664-93-9)	
ACGIH® chemical category	Suspected Human Carcinogen contained in strong inorganic acid mists
USA - OSHA - Occupational Exposure Limits	
OSHA PEL TWA	1 mg/m³
USA - IDLH - Occupational Exposure Limits	
IDLH	15 mg/m³
USA - NIOSH - Occupational Exposure Limits	
NIOSH REL (TWA)	1 mg/m³

Sodium hydroxide (1310-73-2)	
USA - ACGIH - Occupational Exposure Limits	
ACGIH® TLV® C	2 mg/m³
USA - OSHA - Occupational Exposure Limits	
OSHA PEL TWA	2 mg/m³
USA - IDLH - Occupational Exposure Limits	
IDLH	10 mg/m³
USA - NIOSH - Occupational Exposure Limits	
NIOSH REL (Ceiling)	2 mg/m³
US-NIOSH chemical category	SK: DIR(COR) Apr 2011

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station. Provide readily accessible eye wash stations and safety showers.

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures, such as personal protective equipment

Hand protection:

Wear suitable gloves resistant to chemical penetration. Consult glove manufacturer's product information on material suitability and material thickness.

Eye protection:

Wear eye/face protection

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. SDSs cannot provide detailed and complete respiratory protection guidelines. Selection of respiratory protection must be done by a qualified person who has assessed the work environment.

Other information:

Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	:	Liquid
Color	:	No data available
Odor	:	No data available
Odor threshold	:	No data available
pH	:	No data available
Melting point	:	No data available
Freezing point	:	No data available
Boiling point	:	No data available
Flash point	:	No data available
Flammability (solid, gas)	:	Not flammable.
Vapor pressure	:	No data available
Relative vapor density at 20°C	:	No data available
Relative density	:	No data available
Solubility	:	No data available
Partition coefficient n-octanol/water	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity, kinematic	:	No data available
Explosion limits	:	No data available
Particle characteristics	:	No data available

Phosphoric acid	
Boiling point	296.5 °C Atm. press.: 983 hPa
Vapor pressure	0.95 hPa (at 20 °C (70% aqueous solution)
Particle characteristics	No data available

Sulfuric acid	
Boiling point	279.6 °C (at 1013 hPa)
Vapor pressure	0.7 hPa (at 25 °C (Sulfuric acid 97-98%)
Particle characteristics	No data available

L-Lactic acid	
Boiling point	> 100 °C
Vapor pressure	≈ 0.0286 mm Hg Temp.: 25 °C
Particle characteristics	No data available

Sodium hydroxide	
Boiling point	1390 °C
Vapor pressure	0 hPa (at 20 °C)
Particle characteristics	No data available

Dodecylbenzenesulfonic acid	
Boiling point	204.5 °C
Flash point	149 °C (closed cup)
Auto-ignition temperature	> 300 °C
Vapor pressure	0 mm Hg Temp.: 25 °C Remarks on result: 'other:'
Particle characteristics	No data available

Benzenesulfonic acid, 4-C10-13-sec-alkyl derivatives	
Boiling point	189.05 °C Atm. press.: 102,1 kPa
Flash point	196.9 °C (closed cup)
Particle characteristics	No data available

9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

SECTION 10 Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Heat. Incompatible materials.

10.5. Incompatible materials

Strong bases. Strong oxidizers.

10.6. Hazardous decomposition products

May include, and are not limited to: oxides of carbon. irritating fumes.

SECTION 11 Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Phosphoric acid (7664-38-2)	
LD50 oral rat	1530 mg/kg (Source: JAPAN_GHS)
LD50 oral	2000 mg/kg

Phosphoric acid (7664-38-2)	
LD50 dermal rabbit	2740 mg/kg (Source: JAPAN_GHS)
LD50 dermal	1071 mg/kg

Benzenesulfonic acid, C10-16-alkyl derivatives (68584-22-5)	
LD50 oral rat	775 mg/kg (Source: CHEMVIEW)
LD50 dermal rabbit	> 5000 mg/kg body weight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 inhalation rat	> 1.9 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)

Sulfuric acid (7664-93-9)	
LD50 oral rat	2140 mg/kg (Source: JAPAN_GHS)
LC50 inhalation rat	0.375 mg/l/4h

L-Lactic acid (79-33-4)	
LD50 oral rat	3730 mg/kg (Source: IUCLID)
LD50 dermal rabbit	> 2000 mg/kg (Source: NICNAS)
LC50 inhalation rat	> 7.94 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)

Sodium hydroxide (1310-73-2)	
LD50 oral rat	325 mg/kg (Source: OECD_SIDS)
LD50 dermal rabbit	1350 mg/kg (Source: NLM_HSDB)

Dodecylbenzenesulfonic acid (27176-87-0)	
LD50 oral rat	1260 mg/kg (Source: JAPAN_GHS)
LD50 dermal rat	> 2000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Remarks on results: other:
LD50 dermal rabbit	631 – 1000 mg/kg (Source: CHEMVIEW)
LC50 inhalation rat	0.31 mg/l air Animal: rat, Animal sex: male, Remarks on results: other:

Benzenesulfonic acid, 4-C10-13-sec-alkyl derivatives (85536-14-7)	
LD50 oral rat	1219 mg/kg (Source: IUCLID)
LD50 dermal rat	> 2000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)

Skin corrosion/irritation : Causes severe skin burns.

Phosphoric acid (7664-38-2)	
pH	1.5 (conc: 1.0 %)

Sodium hydroxide (1310-73-2)	
pH	12 (conc: 0.05 % (solution)

Dodecylbenzenesulfonic acid (27176-87-0)	
pH	< 1 Temp.: 25 °C Remarks on result: 'other:'

Serious eye damage/irritation : Causes serious eye damage.

Phosphoric acid (7664-38-2)	
pH	1.5 (conc: 1.0 %)

Sodium hydroxide (1310-73-2)	
pH	12 (conc: 0.05 % (solution)

Dodecylbenzenesulfonic acid (27176-87-0)	
pH	< 1 Temp.: 25 °C Remarks on result: 'other:'

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : May cause cancer.

Sulfuric acid (7664-93-9)	
IARC group	1 - Carcinogenic to humans
National Toxicology Program (NTP) Status	Known Human Carcinogens
In OSHA Hazard Communication Carcinogen list	Yes

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

Sodium hydroxide (1310-73-2)	
STOT-single exposure	May cause respiratory irritation.

STOT-repeated exposure : Not classified

Phosphoric acid (7664-38-2)	
NOAEL (oral,rat,90 days)	250 mg/kg body weight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)

Sodium 1-octanesulfonate (5324-84-5)	
NOAEL (oral,rat,90 days)	> 430 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)

Benzenesulfonic acid, C10-16-alkyl derivatives (68584-22-5)	
NOAEL (oral,rat,90 days)	500 mg/kg body weight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity in Rodents)
NOAEL (dermal,rat/rabbit,90 days)	> 1000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)

Dodecylbenzenesulfonic acid (27176-87-0)	
LOAEL (oral,rat,90 days)	200 mg/kg body weight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
LOAEL (dermal,rat/rabbit,90 days)	286 mg/kg body weight Animal: rat, Animal sex: male
NOAEL (oral,rat,90 days)	100 mg/kg body weight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
NOAEL (dermal,rat/rabbit,90 days)	< 286 mg/kg body weight Animal: rat, Animal sex: male

Aspiration hazard : Not classified

Gly-Vak Concentrate	
Viscosity, kinematic	No data available

Poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-hydroxy-, mono-C8-10-alkyl ethers, phosphates (68130-47-2)	
Viscosity, kinematic	No data available

Phosphoric acid (7664-38-2)	
Viscosity, kinematic	104.412 – 112.342 mm²/s

Sodium 1-octanesulfonate (5324-84-5)	
Viscosity, kinematic	No data available

Benzenesulfonic acid, C10-16-alkyl derivatives (68584-22-5)	
Viscosity, kinematic	No data available

Sulfuric acid (7664-93-9)	
Viscosity, kinematic	No data available

L-Lactic acid (79-33-4)	
Viscosity, kinematic	No data available

Sodium hydroxide (1310-73-2)	
Viscosity, kinematic	No data available

Dodecylbenzenesulfonic acid (27176-87-0)	
Viscosity, kinematic	905.66 mm²/s

Benzenesulfonic acid, 4-C10-13-sec-alkyl derivatives (85536-14-7)	
Viscosity, kinematic	1618.868 mm²/s

Symptoms/effects after inhalation : Causes severe damage to the respiratory track.

Symptoms/effects after skin contact : Causes severe skin burns. Symptoms may include redness, pain, blisters.

Symptoms/effects after eye contact : Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. May cause burns.

Symptoms/effects after ingestion : May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea. May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.

Chronic symptoms : May cause cancer.

Other information : Likely routes of exposure: ingestion, inhalation, skin and eye.

SECTION 12 Ecological information

12.1. Ecotoxicity

Ecology - general : May cause long-term adverse effects in the aquatic environment.

Hazardous to the aquatic environment, short–term (acute) : Not classified

Hazardous to the aquatic environment, long–term (chronic) : Not classified

Phosphoric acid (7664-38-2)	
LC50 - Fish [1]	75.1 mg/l
EC50 - Crustacea [1]	> 100 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	> 100 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)

Sodium 1-octanesulfonate (5324-84-5)	
LC50 - Fish [1]	> 100 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 - Crustacea [1]	421 mg/l Test organisms (species): Daphnia magna

Sodium 1-octanesulfonate (5324-84-5)	
EC50 72h - Algae [1]	> 100 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)

Benzenesulfonic acid, C10-16-alkyl derivatives (68584-22-5)	
LC50 - Fish [1]	3 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static] Source: IUCLID)
EC50 - Crustacea [1]	2.9 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 72h - Algae [1]	> 1000 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 96h - Algae [1]	> 1000 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)

Sulfuric acid (7664-93-9)	
LC50 - Fish [1]	> 500 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [static] Source: IUCLID)
EC50 - Crustacea [1]	> 100 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	> 100 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
NOEC (chronic)	0.15 mg/l Test organisms (species): other:Tanytarsus dissimilis
NOEC chronic fish	0.31 mg/l Test organisms (species): Salvelinus fontinalis

L-Lactic acid (79-33-4)	
LC50 - Fish [1]	320 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [semi-static] Source: IUCLID)
EC50 - Crustacea [1]	240 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 - Fish [2]	100 – 180 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static] Source: EPA)
EC50 - Crustacea [2]	180 – 320 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])

Sodium hydroxide (1310-73-2)	
LC50 - Fish [1]	45.4 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static] Source: IUCLID)
EC50 - Crustacea [1]	40 mg/l

Dodecylbenzenesulfonic acid (27176-87-0)	
LC50 - Fish [1]	10.8 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 - Crustacea [1]	5.88 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 - Fish [2]	3.5 – 10 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [static])
EC50 72h - Algae [1]	65.4 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	21 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 96h - Algae [1]	29 mg/l (Species: Pseudokirchneriella subcapitata)

Benzenesulfonic acid, 4-C10-13-sec-alkyl derivatives (85536-14-7)	
LC50 - Fish [1]	5.6 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [flow-through] Source: IUCLID)
EC50 - Crustacea [1]	5.2 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 72h - Algae [1]	36 mg/l (Species: Desmodesmus subspicatus)
NOEC (chronic)	1.18 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

12.2. Persistence and degradability

Gly-Vak Concentrate	
Persistence and degradability	Not established.

Poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-hydroxy-, mono-C8-10-alkyl ethers, phosphates (68130-47-2)	
Persistence and degradability	Rapidly degradable

Phosphoric acid (7664-38-2)	
Persistence and degradability	Not rapidly degradable

Sodium 1-octanesulfonate (5324-84-5)	
Persistence and degradability	Rapidly degradable

Benzenesulfonic acid, C10-16-alkyl derivatives (68584-22-5)	
Persistence and degradability	Rapidly degradable

Sulfuric acid (7664-93-9)	
Persistence and degradability	Rapidly degradable

L-Lactic acid (79-33-4)	
Persistence and degradability	Rapidly degradable

Sodium hydroxide (1310-73-2)	
Persistence and degradability	Rapidly degradable

Dodecylbenzenesulfonic acid (27176-87-0)	
Persistence and degradability	Rapidly degradable

Benzenesulfonic acid, 4-C10-13-sec-alkyl derivatives (85536-14-7)	
Persistence and degradability	Rapidly degradable

12.3. Bioaccumulative potential

Gly-Vak Concentrate	
Bioaccumulative potential	Not established.

Benzenesulfonic acid, C10-16-alkyl derivatives (68584-22-5)	
Partition coefficient n-octanol/water	2 (at 23 °C)

Sulfuric acid (7664-93-9)	
BCF - Fish [1]	(no bioaccumulation)

L-Lactic acid (79-33-4)	
Partition coefficient n-octanol/water	-0.54 (at 25 °C)

Dodecylbenzenesulfonic acid (27176-87-0)	
BCF - Fish [1]	(119 L/kg (whole body w.w.)

Benzenesulfonic acid, 4-C10-13-sec-alkyl derivatives (85536-14-7)	
Partition coefficient n-octanol/water	2.2 (at 23 °C (at pH 3.7)

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Ozone : Not classified

Fluorinated greenhouse gases : No

Other information : No other effects known.

SECTION 13 Disposal considerations

Product/Packaging disposal recommendations : Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

SECTION 14 Transport information

In accordance with DOT

DOT
14.1. UN number
UN1760
14.2. Proper Shipping Name
Corrosive liquids, n.o.s. (L-Lactic acid)
14.3. Transport hazard class(es)
8

14.4. Packing group
II
14.5. Environmental hazards
Dangerous for the environment: No
No supplementary information available.

14.6. Transport in bulk

Not applicable

14.7. Special precautions for user

Special transport precautions : Do not handle until all safety precautions have been read and understood.

SECTION 15 Regulatory information

15.1. Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

15.2. International regulations

No additional information available

15.3. State regulations

WARNING: This product can expose you to chemicals including Sulfuric acid, which is known to the State of California to cause cancer, and Sulfur dioxide, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

SECTION 16 Other information

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2024

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