SAFETY DATA SHEET

Glycerin USP (Vegetable/Natural)

Prepared in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200) and GHS

SDS DATE	VERSION	PRODUCT CODE (SKU)	CAS NO.
10/29/2026	1.0	VGLY-16OZ	56-81-5

SECTION 1: IDENTIFICATION

1.1 Product identifier

Product name	**Glycerin USP (Vegetable/Natural)**
Product code (SKU)	VGLY-16OZ
Chemical name / synonyms	Glycerin; glycerine; glycerol; 1,2,3-propanetriol
CAS No.	56-81-5
Product form	Substance

1.2 Recommended use and restrictions on use

Recommended use	Raw material for formulation and manufacture of cosmetic, personal-care and holistic products. Manufacturer's stated use: NF excipient.
Uses advised against	None identified by the manufacturer.

1.3 Responsible party and supplier

Supplier / responsible party	**LA Ingredients** 853 Sandhill Avenue Carson, CA 90746, USA
Email / website	support@laingredients.com laingredients.com

1.4 Emergency telephone number

Emergency telephone (24 hours)	**+1 656 232 3588** Hazmat Line Emergency Response (24 hours a day, 7 days a week)

SECTION 2: HAZARD(S) IDENTIFICATION

2.1 Classification of the substance or mixture (GHS / OSHA HCS 2012)

Not classified as hazardous under the OSHA Hazard Communication Standard (GHS-US).

2.2 GHS label elements

Signal word	None
Hazard statement(s)	None. Not applicable.
Precautionary statement(s)	None. Not applicable.

2.3 Hazards not otherwise classified (HNOC)

No additional information available.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Substance. Single component.

Chemical name	CAS No.	EC No.	Concentration	GHS classification
Glycerin	56-81-5	—	99.7 %	Not classified

SECTION 4: FIRST-AID MEASURES

4.1 Description of first-aid measures

General advice	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
Inhalation	When symptoms occur: go into open air and ventilate the suspected area.
Skin contact	Remove contaminated clothing. Drench the affected area with water for at least 15 minutes.
Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Ingestion	Rinse mouth. Do NOT induce vomiting.

4.2 Most important symptoms and effects, acute and delayed

None expected under normal conditions of use.

Inhalation: not expected to present a significant inhalation hazard under anticipated conditions of normal use.

Skin: none under normal conditions.

Eyes: direct contact is likely irritating.

Ingestion: a large quantity may cause nausea, vomiting and diarrhea.

4.3 Immediate medical attention and special treatment

If medical advice is needed, have the product container or label at hand.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable	Use extinguishing media appropriate for the surrounding fire: water spray or fog, dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2).
Unsuitable	None known.

5.2 Special hazards arising from the substance or mixture

Fire hazard: not flammable.

Explosion hazard: product is not explosive.

Reactivity: stable at ambient temperature and under normal conditions of use.

5.3 Advice for fire-fighters

Exercise caution when fighting any chemical fire. Do not enter the fire area without proper protective equipment, including respiratory protection.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Handle in accordance with good industrial hygiene and safety practice.

Non-emergency personnel: use appropriate personal protective equipment (PPE). Evacuate unnecessary personnel.

Emergency responders: equip the clean-up crew with proper protection. Ventilate the area.

6.2 Environmental precautions

Prevent entry to sewers and public waters.

6.3 Methods and materials for containment and cleaning up

Absorb and/or contain the spill with inert material, then place it in a suitable container. Clear up spills immediately and dispose of waste safely. See Section 8.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking, and again when leaving work. Do not eat, drink or smoke when using this product.

7.2 Conditions for safe storage, including incompatibilities

Store in a dry, cool, well-ventilated place. Keep the container closed when not in use.

Incompatible products: strong acids, strong bases, strong oxidizers.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Glycerin (56-81-5): OSHA PEL (TWA) 5 mg/m³.

8.2 Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice.

8.3 Individual protection measures / personal protective equipment (PPE)

Eye / face	Chemical goggles or safety glasses.
Skin / hands	Wear chemically resistant protective gloves. The breakthrough time of the selected gloves must be greater than the intended period of use.
Body	None specified by the manufacturer. Wear gloves and safety glasses (see above).
Respiratory	In case of inadequate ventilation, wear respiratory protection.
Hygiene	When using, do not eat, drink or smoke. Wash hands and other exposed areas with mild soap and water after handling.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state / appearance	Liquid; colorless; viscous
Odor	Characteristic
Odor threshold	No data available
pH	No data available
Melting point	18 °C (64.4 °F)
Freezing point	No data available
Boiling point	290 °C (554 °F) (with decomposition)

Flash point	177 °C (350.6 °F) (Cleveland open cup)
Evaporation rate (butyl acetate = 1)	No data available
Flammability (solid, gas)	No data available
Upper / lower flammability or explosive limits	Not applicable
Vapor pressure	< 0.01 hPa
Vapor density	No data available
Specific gravity	1.26 g/cm³
Solubility	Fully miscible
Partition coefficient (n-octanol/water)	log Kow: −1.76
Auto-ignition temperature	400 °C (752 °F)
Decomposition temperature	No data available
Viscosity	1,300 mPa·s at 20 °C
Explosive properties	No data available
Oxidizing properties	No data available

9.2 Other information

VOC content: ≤ 0.5 %.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Stable at ambient temperature and under normal conditions of use.
10.2 Chemical stability	Stable.
10.3 Possibility of hazardous reactions	Hazardous polymerization will not occur.
10.4 Conditions to avoid	Direct sunlight. Extremely high or low temperatures.
10.5 Incompatible materials	Strong acids, strong bases, strong oxidizers.
10.6 Hazardous decomposition products	Under fire conditions: carbon dioxide (CO2), carbon monoxide (CO), various low-molecular-weight hydrocarbons and smoke.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity	Not classified. LD50 dermal, rabbit: > 10 g/kg LC50 inhalation, rat: > 570 mg/m³ (1 h) ATE (oral): 12,600 mg/kg
Skin corrosion / irritation	Not classified.
Serious eye damage / irritation	Not classified. (Direct contact with the eyes is likely irritating.)
Respiratory or skin sensitization	Not classified.

Germ cell mutagenicity	Not classified.
Carcinogenicity	Not classified.
Reproductive toxicity	Not classified.
STOT – single exposure	Not classified.
STOT – repeated exposure	Not classified.
Aspiration hazard	Not classified.
Likely routes of exposure / symptoms	Inhalation: not expected to present a significant hazard under anticipated conditions of normal use. Skin: none under normal conditions. Eyes: direct contact is likely irritating. Ingestion: a large quantity may cause nausea, vomiting and diarrhea.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Ecotoxicity	Fish: LC50, Oncorhynchus mykiss (rainbow trout), 51 (51–57) mL/L, 96 h, static Daphnia: EC50, Daphnia magna, > 500 mg/L, 24 h
12.2 Persistence and degradability	The substance is biodegradable. Unlikely to persist.
12.3 Bioaccumulative potential	log Pow −1.76. Based on the n-octanol/water partition coefficient, accumulation in organisms is not expected (BCF fish: no bioaccumulation).
12.4 Mobility in soil	No additional information available.
12.5 Other adverse effects	Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Product	Dispose of waste material in accordance with all local, regional, national and international regulations.
Contaminated packaging	Dispose of in accordance with all local, regional, national and international regulations.

SECTION 14: TRANSPORT INFORMATION

DOT / ICAO / IATA / TDG	UN number: not applicable. Not regulated for transport.
IMDG (sea)	Not regulated for transport.
IATA (air)	Not regulated for transport.
Additional information	No supplementary information available.

SECTION 15: REGULATORY INFORMATION

TSCA	Glycerin (56-81-5) is listed on the United States TSCA Inventory.

State lists	Glycerin (56-81-5) appears on the following state lists, as reported by the manufacturer: • Right-to-know lists: Massachusetts; New Jersey; Pennsylvania; Minnesota (Hazardous Substance List). • Occupational exposure limit lists: Idaho; Michigan; Minnesota; Oregon; Tennessee; Vermont; Washington (TWA and STEL). • Air-toxics / screening-level lists: Connecticut; New Hampshire; North Dakota; Texas.

SECTION 16: OTHER INFORMATION

Date of issue / last revision	10/29/2026
Version	1.0
Supersedes	**None (first issue)**
Prepared by	LA Ingredients, 853 Sandhill Avenue, Carson, CA 90746 | support@laingredients.com
Basis of this SDS	Manufacturer's safety data sheet for glycerin 99.7% USP, version 1.0, revision date 12/17/2023 (supersedes 10/21/2013).

Key to abbreviations

CAS = Chemical Abstracts Service; EC = European Community number; GHS = Globally Harmonized System; OSHA HCS = OSHA Hazard Communication Standard; PEL = Permissible Exposure Limit; TWA = time-weighted average; LD50 / LC50 = median lethal dose / concentration; EC50 = median effective concentration; PBT / vPvB = persistent, bioaccumulative, toxic / very persistent, very bioaccumulative; DOT = US Department of Transportation; IMDG = International Maritime Dangerous Goods Code; IATA = International Air Transport Association; TSCA = Toxic Substances Control Act; SARA = Superfund Amendments and Reauthorization Act; ATE = acute toxicity estimate; VOC = volatile organic compound; BCF = bioconcentration factor; STEL = short-term exposure limit; NF = National Formulary; STOT = specific target organ toxicity.

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