

Safety Data Sheet

Glycerin - Liquid

October 9th, 2015

Section 1: Chemical Product and Company Identification

Product name: Glycerin - Liquid
Contact Info: Bramble Berry Inc.
2138 Humboldt Street
Bellingham, WA 98225
info@brambleberry.com
www.brambleberry.com
1-877-627-7883

Emergency Phone Number:

Within USA & Canada: 1.800.424.9300 CCN693143
Outside USA & Canada: +1.703.527.3887 (collect calls accepted)

Section 2: Hazards Identification

2.1 Classification of the substance

Classification according to OSHA-GHS 29 CFR 1910.1200

Physical Hazard: Non-classification
Human Health Hazard: Non-classification
Environmental Hazard: Non-classification

2.2 Label elements

Hazard pictogram: No Pictogram
Signal Word: No Signal Word
Hazard Statement: No Hazard Statement
Precautionary Statement: Call a Poison center/doctor/physician if you feel unwell

2.3 Other hazards: Not available

Section 3: Composition/Information on Ingredients

3.1 Substances

Molecular formula: C₃H₈O₃

Chemical Name	Synonyms	Cas No	Concentration (%)	EINECS No.
Glycerol	1,2,3-Propanetriol	56-81-5	> 99.5	200-289-5

Section 4: First Aid Measures

4.1 Description of first aid measures

Inhalation: Remove source of contamination or have victim move to fresh air. If suffocation is serious, obtain medical attention immediately.

Skin Contact: Take off immediately all contaminated clothing. Rinse skin with water/shower. Obtain medical attention if necessary.

Eye Contact: Immediately flush the contaminated eye with running water for several minutes. Obtain medical attention if necessary.

Ingestion: If swallowed, do not induce vomiting. Rinse mouth, drink plenty of water. Obtain medical attention if necessary. Never give anything by mouth to an unconscious person.

Protection of first-aiders: No action shall be taken involving any personal risk or without suitable training.

4.2 Most important symptoms and effects, both acute and delayed

No known significant effects or critical hazards

4.3 Indication of the immediate medical attention and special treatment needed

Notes to physician: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatment: No specific treatment

Section 5: Fire-Fighting Measures

5.1 Extinguishing media

Suitable extinguishing media: Foam. Dry powder or carbon dioxide

Unsuitable extinguishing media: Not available

5.2 Specific hazard arising from the substance: Thermal decomposition may emit acrolein and toxic fumes of carbon monoxide

5.3 Advice for fire-fighters: Wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode

Section 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures for non-emergency personnel: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.

For emergency responders: Use suitable protective equipment.

6.2 Environmental precautions: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

6.3 Methods and materials for containment and cleaning up: Absorb with sand or other non-combustible material and transfer to container for disposal. Residue and small spillages may be washed away with water and detergent.

6.4 Reference to other sections:

See section 1 for emergency contact information.

See section 7 for information on safe handling.
See section 8 for information on personal protective equipment.
See section 13 for information on disposal.

Section 7: Handling and Storage

7.1 Precautions for safe handling: Avoid contact with eyes, skin, and clothing. Use gloves when handling. Wash thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities: Store in a tightly closed container. Can be stored in an aluminum, stainless steel, fiberglass or resin lined steel vessels. Store in a cool and dry place. Exposure to ultraviolet light, especially sunlight must be minimized to prevent quality loss.

7.3 Specific end use(s): Not available

Section 8: Exposure Controls/Personal Protection

8.1 Control parameters

Occupational exposure limits:

ACGIH (Glycerine mist) - TLV-TWA 10 mg/m³

OSHA Z-1 PEL (Glycerine mist) - respiratory fraction - 5mg/m³

OSHA Z-1 PEL (Glycerine mist) - total dust - 15 mg/m³

8.2 Exposure controls

Appropriate engineering control: No special measures required

Personal protective equipment

Eye/face Protection: Goggles or face shield with goggles, dependent upon potential exposure

Skin Protection: Protective gloves

Respiratory Protection: None required for ambient temperature, although an appropriate NIOSH approved air-purifying respirator should be used if a mist or vapor is generated

Environmental exposure controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

Section 9: Physical and Chemical Properties

9.1 information on basic physical and chemical properties

Appearance: Colorless viscous liquid

Odor: Odorless

Odor threshold: Not available

pH: 6-8

Melting point: 18-22 °C

Boiling point: 290 - 295°C @ 1013hPa

Flash point: 160 °C

Evaporation rate: Not applicable

Flammability (solid, gas): Not applicable

Vapor pressure: 0.0023 mmHg @ 20 °C
Vapor density (Air = 1): 3.2
Specific gravity: 1.26 @ 20°C
Solubility: Miscible
Partition coefficient (n-octanol/water): -2.6
Auto-ignition temperature: ~ 400 °C
Decomposition temperature: > 290°C
Viscosity: 1410 mPa.s @ 20 °C
Explosive properties: Not Explosive
Oxidizing properties: Not an oxidizing substance

9.2 Other information

No additional information

Section 10: Stability and Reactivity

10.1 Reactivity: None known

10.2 Chemical Stability: Able to polymerize above 149°C. Decomposes when heated above 290°C

10.3 Possibility of hazardous reaction: None known

10.4 Condition to avoid: Overheating

10.5 Incompatible substance: Reacts violently with strong oxidizing agents

10.6 Hazardous decomposition: Low toxicity and not considered hazardous to human beings

Section 11: Toxicological Information

11.1 Information on toxicological information

Acute oral: LD50 rat > 27200 mg/kg

Dermal: LD50 rabbit > 18700 mg/kg

Inhaled: LC50 > 570mg/m³/1Hr

Skin corrosion/irritation: Not irritating

Serious eye damage/irritation: Not irritating

Skin sensitization: Not sensitizing

Respiratory sensitization: Non-classification

Germ cell mutagenicity: Non-classification

Carcinogenicity: No data available

Reproductive toxicity: Non-classification

Specific target organ toxicity

-Single exposure: No data available

-Repeated exposure: No data available

Aspiration Hazard: No data available

Section 12: Ecological Information

12.1 Toxicity

Fish (*Carassius auratus*): 24h LC50 > 5000 mg/l

Crustacea (*Daphia magna*): 24h EC50 > 10000 mg/l

Algae: 96h LC50 = 77712 mg/l (QSAR prediction)

12.2 Persistence and Readily biodegradable (OECD 301)

biodegradability: 92% degradation after 30 days

12.3 Bioaccumulative potential

BCF: 1.3162 (Estimated by calculation base on EPIWIN vs 3.04)

12.4 Mobility in soil

Log Koc: 0.65 (estimated)

12.5 Results of PBT and vPvB assessment: No PBT or vPvB substance

12.6 Other adverse effects: None known significant effects or critical hazards.

Section 13: Disposal Conditions

13.1 Waste treatment methods

Dispose according to local regulation. Do not dispose of via sinks, drains or into the immediate environment.

Section 14: Transport Information

14.1 UN Number: None

14.2 UN Proper Shipping Name: None

14.3 Transport Hazard Class: Not hazardous according to RID/ADR, GGVS/GGVE, ADNR, IMDG, ICAO-TI/IATA-DGR

14.4 Packing Group: None

14.5 Environmental Hazard

Marine pollutant (Yes/No): No

14.6 Specious precautions for user: Not available

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Category Z

Section 15: Regulatory Information

15. Regulatory information

This product is exempted from REACH (ANNEX V)

Chemical Inventory

EU	EINECS (Existing Inventory of Existing Commercial Chemical Substances)	Listed
USA	TSCA (Toxic Substances Control Act)	Listed
AUS	AICS (Australian Inventory Chemical Substances)	Listed
China	IECSC (Inventory of Existing Chemical Substances in China)	Listed
Korea	ECL (Existing Chemical List)	Listed
Japan	ENCS (Existing and New Chemical Substances)	Listed

Section 16: Other Information

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