

1 - Identification

| | |
|-----------------|---|
| Product name | Glycerin 99.7 |
| Product number | |
| Address | Ingredients To Die For, 155 Blue Dr, Searcy, Ar 72143 |
| Phone | 512-535-2711 |
| Emergency Phone | Domestic: International: |

2 - Hazard(s) Identification

Classification of the substance or mixture

GHS classification in accordance with: (US) OSHA (29 CFR 1910.1200)

Not a hazardous substance or mixture

GHS label elements, including precautionary statements

Not a hazardous substance or mixture

Other hazards which do not result in classification

Not a hazardous substance or mixture

3 - Composition/Information on Ingredients

Substances

| | |
|----------------------|---|
| Substance name | Glycerin |
| EC no. | 200-289-5 |
| CAS no. | 56-81-5 |
| Formula | C3H8O3 |
| Molecular weight | 92.09 |
| Other names/synonyms | 1,2,3-Propanetriol; Glycerolum; Glycerol; Glycerin; Glycerine |

4 - First-Aid Measures

Description of necessary first-aid measures

| | |
|----------------|---|
| General advice | Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice. Show the label or this safety data sheet when possible. |
| If inhaled | If breathed in, move person to fresh air. If not breathing, give artificial respiration. Consult a physician if symptoms develop. |

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|-------------------------|--|
| In case of skin contact | Wash off with soap and plenty of water. Get medical attention if symptoms occur. |
| In case of eye contact | Flush eyes with water as a precaution. Remove contacts. |
| If swallowed | Never give anything by mouth to an unconscious person. Rinse mouth with water. Get medical attention should irritation and symptoms occur. |

5 - Fire-Fighting Measures

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Specific hazards arising from the chemical

Carbon oxides, smoke, and irritating fumes or substances may form. Fumes may be toxic.

Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary. Wear protective clothing and gear to prevent contact with skin and eyes. Follow

Further information

Spills produce extremely slippery surfaces.

6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Do not touch or walk through spilled material. Spills can create very slippery surfaces. Wear respiratory protection if necessary. Avoid breathing gas,

Environmental precautions

Should not be released into the environment.

Methods and materials for containment and cleaning up

Stop leak if you can do it without risk. Sweep up and shovel into suitable containers for disposal. Use absorbent paper to pick up all liquid spill

Reference to other sections

For disposal see section 13.

7 - Handling and Storage

Precautions for safe handling

Surfaces are very slippery from this product. Do not swallow. Do not breath mist, vapors, or spray. Wash thoroughly after handling. Do not eat, drink or

Conditions for safe storage, including any incompatibilities

Freezing will adversely affect the quality of the product. Store locked up. Keep away from heat and sources of ignition. Store away from incompatible materials. See Section 10 for information on Incompatible Materials. Keep out of the reach of children.

8 - Exposure Controls/Personal Protection

Control parameters

1. Glycerol (CAS: 56-81-5 EC: 200-289-5)

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| TWA (Inhalation) | 5 mg/m ³ ; USA (OSHA) |
| USA. Occupational Exposure Limits (OSHA) | Table Z-1 Limits for Air Contaminant |
| PEL (Inhalation) | 5 mg/m ³ , PNOR (Cal/OSHA) |
| OSHA Annotated Table Z-1, www.osha.gov | |
| PEL (Inhalation) | 5 mg/m ³ (OSHA) |
| OSHA Annotated Table Z-1, www.osha.gov | |
| PEL (Inhalation) | 10 mg/m ³ , PNOR (Cal/OSHA) |
| OSHA Annotated Table Z-1, www.osha.gov | |
| PEL (Inhalation) | 15 mg/m ³ (OSHA) |
| OSHA Annotated Table Z-1, www.osha.gov | |
| TWA (Inhalation) | 10 mg/m ³ ; USA (ACGIH) |
| USA. ACGIH Threshold Limit Values (TLV)/Upper Respiratory Tract irritation | |
| TWA (Inhalation) | 15 mg/m ³ (OSHA) |
| USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants | |

Appropriate engineering controls

Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, gas, etc.) below recommended exposure limits.

Individual protection measures, such as personal protective equipment (PPE)

Pictograms

Eye/face protection

Safety glasses with side shields or goggles.

Skin protection

Wear protective gloves, such as PVC or other plastic material. Consult manufacturer specifications for further information.

Body protection

Wear protective clothing. Clothing with full length sleeves and pants should be worn. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

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| | |
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| Thermal hazards | No data available |
| Environmental exposure controls | Do not let product enter drains. |

9 - Physical and Chemical Properties

Information on basic physical and chemical properties

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| Appearance/form (physical state, color, etc.) | Viscous, Liquid, clear to light yellow |
| Odor | mild, musty |
| Odor threshold | No data available |
| pH | No data available |
| Melting point/freezing point | <2 C (<36 F) |
| Initial boiling point and boiling range | >130 C (266 F) at 1013 hPa |
| Flash point | > 176 C (>349 F) - closed cup |
| Evaporation rate | > 1 (Butyl Acetate = 1) |
| Flammability (solid, gas) | No data available |
| Upper/lower flammability limits | No data available |
| Upper/lower explosive limits | No data available |
| Vapor pressure | < 0.1 mmHg @ 20 C (68 F) |
| Vapor density | 3.17 @ 20 C (68 F)(Air = 1.0) |
| Relative density | : 1.22 - 1.24 @ 25 C (77 F) Reference substance: (water = 1) |
| Solubility(ies) | Soluble |
| Partition coefficient: n-octanol/water | No data available |
| Auto-ignition temperature | No data available |
| Decomposition temperature | No data available |
| Viscosity | No data available |
| Explosive properties | No data available |
| Oxidizing properties | No data available |

10 - Stability and Reactivity

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|---|---|
| Reactivity | No dangerous reaction known under conditions of normal use. |
| Chemical stability | Stable under normal storage conditions. |
| Possibility of hazardous reactions | No data available |
| Conditions to avoid | Heat, flames and sparks. Incompatible products. Keep away from open flames, hot surfaces and sources of ignition. |
| Incompatible materials | Strong acids, strong oxidizing agents |
| Hazardous decomposition products | Thermal decomposition may produce carbon oxides. |

11 - Toxicological Information

Information on toxicological effects

Acute toxicity

| | |
|---------------|-----|
| LD50 (Oral) | N/A |
| LD50 (Dermal) | N/A |
| LD50 | N/A |

Skin corrosion/irritation May cause slight skin irritation

Serious eye damage/irritation May cause slight eye irritation

Respiratory or skin sensitization Not expected to present a significant inhalation hazard under anticipated conditions of normal use.

Germ cell mutagenicity No mutagenic effects

Carcinogenicity No component of this product at levels greater than 0.1% is identified as carcinogenic by IARC, NTP, ACGIH, or OSHA.

Reproductive toxicity No toxicity to reproduction

STOT-single exposure No data available

STOT-repeated exposure No data available

Aspiration hazard No data available

12 - Ecological Information

Toxicity No data available on this product.

Persistence and degradability No data available on this product.

Bioaccumulative potential Not established

Mobility in soil No data available

Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

Other adverse effects Ozone-Depletion Potential: Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class Substances

Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

13 - Disposal Considerations

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| Disposal of the product | Treatment, storage, transportation, and disposal must be in accordance with all applicable federal, state and local regulations. |
| Disposal of contaminated packaging | Dispose of as unused product |
| Waste treatment | Waste packaging should be recycled or reused whenever possible. If recycling is not feasible, contaminated packaging should be disposed of in accordance with all local, state, and federal regulations. Regulations vary by region. |
| Sewage disposal | Avoid release into sewers or other public water ways. |

14 - Transport Information

| | |
|--|------|
| UN Number | None |
| UN Proper Shipping Name | None |
| Transport hazard class(es) | None |
| Packing group | None |
| Environmental hazards | None |
| Special precautions for user | None |
| Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | None |

15 - Regulatory Information

Safety, health and environmental regulations specific for the product in question

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312

Acute health hazard; chronic health hazard

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right To Know Act.

Glycerol

CAS-No. 56-81-5

Pennsylvania Right To Know Components

No components are subject to the Pennsylvania Right To Know Act.

Glycerol

CAS-No. 56-81-5

New Jersey Right To Know Components

No components are subject to the New Jersey Right To Know Act.

Glycerol

CAS-No. 56-81-5

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

HMIS Rating

HEALTH

FLAMMABILITY 1

PHYSICAL HAZARD

PERSONAL PROTECTION

NFPA Rating

HEALTH 1

FLAMMABILITY 1

REACTIVITY 0

16 - Other Information

Further information

SDS Version: 1.0

Date of issue 10/19/18

Date of revision 06/10/19

DISCLAIMER

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