

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g), Rev. 2012 and GHS Rev 03.

Printing date 10/24/2014

Reviewed on 10/24/2014

1 Identification

- **Product identifier**
- **Trade name: De La Cruz Glycerin**
- **CAS Number:**
56-81-5
- **EC number:**
200-289-5
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
DLC Laboratories
7008 Marcelle Street
Paramount, CA 90723
Phone: (562) 602-2184
Fax: (562) 602-1931
www.dlclabs.com
- **Emergency telephone number:** (800) 858-3889

2 Hazard(s) identification

- **Classification of the substance or mixture**
The substance is not classified according to the Globally Harmonized System (GHS).
- **Label elements**
- **GHS label elements** Non-Regulated Material
- **Hazard pictograms** Non-Regulated Material
- **Signal word** Non-Regulated Material
- **Hazard statements** Non-Regulated Material
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**

HEALTH	0	Health = 0
FIRE	1	Fire = 1
REACTIVITY	0	Reactivity = 0

3 Composition/information on ingredients

- **Chemical characterization: Substances**
- **CAS No. Description**
56-81-5 Glycerin
- **Identification number(s)**
- **EC number:** 200-289-5

4 First-aid measures

- **Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:**
Supply fresh air; consult doctor in case of complaints.
Not a normal route of entry.

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(Contd. of page 1)

- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** Call a doctor if irritation or symptoms develop.
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
Water, carbon dioxide, foam or dry extinguishing media.
Do not use direct water jet on burning material.
Use water spray to cool fire-exposed containers.
- **Special hazards arising from the substance or mixture**
Carbon dioxide (CO₂)
Carbon monoxide (CO)
Aldehydes
- **Advice for firefighters**
- **Protective equipment:**
As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.
- **Additional information** May be combustible at high temperatures.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (ie. sand, diatomite, acid binders, universal binders, sawdust).
Dispose of the collected material according to regulations.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Precautions for safe handling**
Handle according to good safety procedures, avoiding unnecessary exposure by wearing appropriate protective gear for the situation.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Store in a cool, dry place in tightly closed receptacles.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see section 7.

(Contd. on page 3)

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(Contd. of page 2)

- **Control parameters**
- **Components with occupational exposure limits:**
Not required.

56-81-5 Glycerol

PEL	Long-term value: 15* 5** mg/m ³ mist; *total dust **respirable fraction
TLV	TLV withdrawn-insufficient data human occup. exp.

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.
- **Breathing equipment:** Not required.
- **Protection of hands:**
Not required.



Protective gloves

- **Penetration time of glove material** Not applicable.
- **Eye protection:** Tightly sealed goggles

*** 9 Physical and chemical properties**

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
 - Form:** Viscous
 - Color:** Colorless
 - Odor:** Odorless
 - Odor threshold:** Not determined.
 - pH-value:** Not determined.
- **Change in condition**
 - Melting point/Melting range:** 18 °C (64 °F)
 - Boiling point/Boiling range:** 340 °C (644 °F)
 - Flash point:** 199 °C (390 °F)
 - Flammability (solid, gaseous):** Not applicable.
 - Ignition temperature:** 370 °C (698 °F)
 - Decomposition temperature:** Not determined.
 - Auto igniting:** Not determined.
 - Danger of explosion:** Product does not present an explosion hazard.
 - **Explosion limits:**
 - Lower:** Not determined.
 - Upper:** Not determined.
 - **Vapor pressure @ 20 °C (68 °F):** 1.0 mm Hg

(Contd. on page 4)

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(Contd. of page 3)

- **Density @ 20 °C (68 °F):** 1.26 g/cm³ (10.515 lbs/gal)
- **Relative density** Not determined.
- **Vapour density** 3.1 (Air=1)
- **Evaporation rate** Not determined.
- **Solubility in / Miscibility with Water:** Soluble.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
 - **Dynamic:** Not determined.
 - **Kinematic:** Not determined.
- **Other information** No further relevant information available.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability** Stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** Strong oxidizers
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:**
 LD50 dermal toxicity: (rabbit) > 5.0 g/kg
 LD50 oral toxicity: (rat) >5.0 g/kg

56-81-5 Glycerol		
Oral	LD50	12600 mg/kg (rat)

- **Primary irritant effect:**
- **on the skin:** No irritating effect.
- **on the eye:** Mild irritant effect.
- **Additional toxicological information:**
 When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.
 The substance is not subject to classification.

- **Carcinogenic categories**

· IARC (International Agency for Research on Cancer)
Substance is not listed.

· NTP (National Toxicology Program)
Substance is not listed.

· OSHA-Ca (Occupational Safety & Health Administration)
Substance is not listed.

(Contd. on page 5)

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(Contd. of page 4)

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** Trout: LC50=58.5 ppm - 96 hours
- **Persistence and degradability** No further relevant information available.
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:** Water hazard class 1 (Assessment by list): slightly hazardous for water
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Smaller quantities can be disposed of with household waste.
Observe all federal, state and local environmental regulations when disposing of this material.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **UN-Number**
- **DOT, ADN, IMDG, IATA** Non-Regulated Material
- **ADR** Non-Regulated Material
Not Regulated
- **UN proper shipping name**
- **DOT, ADR, ADN, IMDG, IATA** Non-Regulated Material
- **Transport hazard class(es)**
- **DOT, ADR, ADN, IMDG, IATA**
- **Class** Non-Regulated Material
- **Packing group**
- **DOT, ADR, IMDG, IATA** Non-Regulated Material
- **Environmental hazards:**
- **Marine pollutant:** No
- **Special precautions for user** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.
- **UN "Model Regulation":** -

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

· **Section 355 (extremely hazardous substances):**

Substance is not listed.

· **Section 313 (Specific toxic chemical listings):**

Substance is not listed.

(Contd. on page 6)

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(Contd. of page 5)

<ul style="list-style-type: none"> · TSCA (Toxic Substances Control Act):
<ul style="list-style-type: none"> Substance is listed.
<ul style="list-style-type: none"> · Proposition 65
<ul style="list-style-type: none"> · Chemicals known to cause cancer:
<ul style="list-style-type: none"> Substance is not listed.
<ul style="list-style-type: none"> · Chemicals known to cause reproductive toxicity for females:
<ul style="list-style-type: none"> Substance is not listed.
<ul style="list-style-type: none"> · Chemicals known to cause reproductive toxicity for males:
<ul style="list-style-type: none"> Substance is not listed.
<ul style="list-style-type: none"> · Chemicals known to cause developmental toxicity:
<ul style="list-style-type: none"> Substance is not listed.
<ul style="list-style-type: none"> · Carcinogenic categories
<ul style="list-style-type: none"> · EPA (Environmental Protection Agency)
<ul style="list-style-type: none"> Substance is not listed.
<ul style="list-style-type: none"> · TLV (Threshold Limit Value established by ACGIH)
<ul style="list-style-type: none"> Substance is not listed.
<ul style="list-style-type: none"> · NIOSH-Ca (National Institute for Occupational Safety and Health)
<ul style="list-style-type: none"> Substance is not listed.
<ul style="list-style-type: none"> · GHS label elements Non-Regulated Material · Hazard pictograms Non-Regulated Material · Signal word Non-Regulated Material · Hazard statements Non-Regulated Material
<ul style="list-style-type: none"> · National regulations:
<ul style="list-style-type: none"> Substance is not listed.
<ul style="list-style-type: none"> · State Right to Know
<ul style="list-style-type: none"> Substance is listed.
<ul style="list-style-type: none"> · Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

· **Date of preparation / last revision** 10/24/2014 / 1

· **Abbreviations and acronyms:**

- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
- IMDG: International Maritime Code for Dangerous Goods
- DOT: US Department of Transportation
- IATA: International Air Transport Association
- ACGIH: American Conference of Governmental Industrial Hygienists
- EINECS: European Inventory of Existing Commercial Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- NFPA: National Fire Protection Association (USA)
- HMSI: Hazardous Materials Identification System (USA)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent

(Contd. on page 7)

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(Contd. of page 6)

· * **Data compared to the previous version altered.**

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