

# Glycerin USP 99.7%

## Safety Data Sheet

Issue Date 01/03/2017

### SECTION 1: Identification

#### 1.1. Identification

Product name : Glycerine  
CAS No : 56-81-5  
EC No : 200-289-5

#### 1.2. Recommended use and restrictions on use

Recommended Use No additional information available.

#### 1.3. Supplier

Camden-Grey Essential Oils, Inc.  
5751 Halifax Ave., Unit 2  
Fort Myers, FL 33912  
[www.camdengrey.com](http://www.camdengrey.com)

#### 1.4. Emergency telephone number

Emergency number : Chemtrec -1.800.424.9300/ 1.703.527.3887 CCN330

### SECTION 2: Hazard(s) identification

Classification of the substance or mixture

Eye Irrit. 28 H320 Causes eye irritation.

·Label elements

·GHS label elements

The substance is classified and labeled according to the Globally Harmonized System (GHS).

·Hazard pictograms Non-Regulated Material

·Signal word Warning

·Hazard statements

H320 Causes eye irritation.

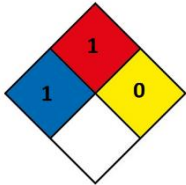
·Precautionary statements

P264 Wash thoroughly after handling.

P305+ P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention. · Classification system:

·NFPA ratings (scale 0 - 4)



HEALT = 1  
FIRE = 1  
REACTIVITY = 0

Glycerine	
HEALT	1
FIRE	1
REACTIVITY	0

### SECTION 3: Composition/information on ingredients

#### 3.1 Substance

Chemical Characterization : Substances  
CAS No : 56-81-5  
Trade Name : Glycerine  
EC Number : 200-289-5

# Glycerine

## Safety Data Sheet

### SECTION 4: First-aid measures

#### 4.1 Description of first aid measures

After Inhalation  
After skin contact  
After eye contact

In case of unconsciousness, place patient securely in side position for transportation.  
Immediately wash with water and soap and rinse thoroughly.  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.  
Give large amounts of water. If symptoms persist consult doctor.

After swallowing:

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.

### SECTION 5: Fire-fighting measures

#### 5.1 Extinguishing media

Suitable extinguishing agents: Use fire fighting measures that suit the environment.

#### 5.2 Specific hazards arising from the substance or mixture

No further relevant information available.

#### 5.3 Advice for firefighters

No special measures required.

### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Not required

#### 6.2 Environmental precautions

Dilute with plenty of water.  
Do not allow to enter sewers/ surface or ground water.

#### 6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (ie. sand, diatomite, acid binders, universal binders, sawdust).

#### 6.4 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.

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

No special precautions are necessary if used correctly.  
Information about protection against explosions and fires: No special measures required.

#### 7.2 Conditions for safe storage, including any incompatibilities

##### Storage:

Requirements to be met by storerooms and receptacles: No special requirements.  
Information about storage in one common storage facility: Not required.  
Further Information about storage conditions: Keep receptacle tightly sealed.  
Specific end use(s) No further relevant information available.

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

##### Control parameters

**Components with limit values that require monitoring at the workplace : 56-81-5 glycerol**

PEL Long-term value: 15\* 5\*\* mg/m<sup>3</sup>

\*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:**

# Glycerine

## Safety Data Sheet

### General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

**Breathing equipment:** Not required.

### Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Select glove material based on penetration times, rates of diffusion and degradation.

### Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

### Penetration time of glove material

The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.

**Eye protection:** Tightly sealed goggles

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance:

Form	Viscous
Color	Colorless
Odor	Pleasant
Odour Threshold	Not determined
pH- value 20°C (68 °F)	6
Change in condition	
Melting point/ Melting range	18.2 °C (65 °F)
Boiling point/ Boiling range	290 °C (554 °F)
Flash point	160 °C (320 °F)
Flammability (solid, gaseous)	Not applicable
Ignition temperature	400 °C (752 °F)
Decomposition temperature	Not determined
Auto igniting	Not determined
Danger of explosion	Product does not present an explosion hazard.
Explosion limits	
Lower	0.9 Vol %
Upper	Not determined
Vapor pressure 20°C (68°F)	< 0.1 hPa (<0mm Hg)
Density 20°C (68°F)	1.26 g/cm <sup>3</sup> (10.515 lbs/gal)
Relative density	Not determined
Vapour density	Not determined
Evaporation rate	Not determined
Solubility in / Miscibility with	
Water	Fully miscible.
Partition coefficient (n-octanol/water)	Not determined.
Viscosity	
Dynamic	Not determined.
Kinematic	Not determined.
Organic Solvents	100%

### 9.2 Other information

No further relevant information available.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No further relevant information available

### 10.2 Chemical stability

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

### 10.3 Possibility of hazardous reactions

No dangerous reactions known.

### 10.4 Conditions to avoid

# Glycerine

## Safety Data Sheet

No further relevant information available.

### 10.5 Incompatible materials

No further relevant information available.

### 10.6 Hazardous decomposition products

No dangerous reactions known.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Information on toxicological effects

#### Acute toxicity

LD/LC50 values that are relevant for classification:

56-81-5 glycerol

Oral LD50 12600 mg/kg (rat)

#### Primary irritant effect

On the skin

Irritant to skin and mucous membranes.

On the eye

Irritating effect.

Sensitization

No sensitizing effects known.

#### Additional toxicological information

Carcinogenic categories

##### IARC

International Agency for Research on Cancer

Substance is not listed

##### NTP

National Toxicology Program

Substance is not listed

## SECTION 12: Ecological information

### 12.1 Toxicity

Aquatic toxicity: No further relevant information available.

### 12.2 Persistence and degradability

No further relevant information available.

### 12.3 Bioaccumulative potential

No further relevant information available.

### 12.4 Mobility in soil

No further relevant information available.

#### Additional ecological information:

##### General notes:

Water hazard class 1 (Assessment by list): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

### 12.5 Results of PBT and vPvB assessment

Not applicable.

### 12.6 Other adverse effects

No further relevant information available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Waste treatment methods

##### Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

##### Uncleaned packagings:

**Recommendation:** Disposal must be made according to official regulations.

**Recommended cleansing agent:** Water, if necessary with cleansing agents.

## SECTION 14: Transport information

·UN-Number

·DOT, ADR, IMDG, IATA

Non-Regulated Material

·UN proper shipping name

·DOT, ADA, IMDG, IATA

Non-Regulated Material

# Glycerine

## Safety Data Sheet

·Transport hazard class(es)	
·DOT, ADR, IMDG, IATA	
·Class	Non-Regulated Material
·Packing group	
·DOT, ADA, IMDG, IATA	Non-Regulated Material
·Environmental hazards:	
·Marine pollutant:	No
·Special precautions for user	Not applicable.
·Transport In bulk according to Annex I/II of MARPOL73/178 and the IBC Code	Not applicable.
· UN "Model Regulation"	-

## SECTION 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.

TSCA (Toxic Substances Control Act) Substance is listed.

### Proposition 65

Chemicals known to cause cancer Substance is not listed.

Chemicals known to cause reproductive toxicity for females Substance is not listed.

Chemicals known to cause reproductive toxicity for males Substance is not listed.

Chemicals known to cause developmental Agency Substance is not listed.

### Carcinogenic categories

EPA (Environmental Protection Agency) Substance is not listed.

TLV (Threshold Limit Value established by ACGIH) Substance is not listed.

NIOSH-Ca (National Institute for Occupational Safety and Health) Substance is not listed.

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

GHS label elements

The substance is classified and labeled according to the Globally Harmonized System (GHS)

Hazard pictograms Not-Regulated Material.

Signal word Warning

• Hazard statements

H320 Causes eye irritation.

• Precautionary statements

P264

P305+P351+P338 IF IN EYES

Wash thoroughly after handling.

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

P337+P313

National Regulations

State Right to Know

Chemical Safety Assessment

Substance is not listed.

Substance is listed.

A Chemical Safety Assessment has not been carried out.

## SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

·Date of preparation / last revision 2017/03/01

### Abbreviations and acronyms:

ADR: Accord Europeen sur le transport des marchandises danger uses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

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)

HMIS: Hazardous Materials Identification System (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent