

**UNIOLEO GLYCERIN 99**

## Material Safety Data Sheet

### SECTION 1 : PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Identifier

Product Name : UNIOLEO GLYCERIN 99  
Product Description : Glycerin 99.5 % USP  
CAS Number : 56-81-5  
Formula : C<sub>3</sub>H<sub>8</sub>O<sub>5</sub>

1.2 *Intended Use of Product*

Use of the product : Industrial uses, humectant, filler

1.3 *Supplier Detail*

Manufacturer : Soap and More  
Address : 3830 - 7 St SE.  
Calgary AB Canada  
T2G 2Y8  
tel: 403 217-2346

1.4 *Emergency Contact*

Emergency Telephone : (613)-996-6666 CANUTEC 24 HOUR EMERGENCY

### SECTION 2 : HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

GHS Classification : Not Classified  
Information concerning particular hazards for human and environment : Not applicable

2.2 Label element

GHS Label : Not applicable

2.3 Other Hazards

No Information available

### SECTION 3 : COMPOSITION/INFORMATION OF INGREDIENTS

3.1 Substance

Synonyms : 1,2,3-Propanetriol, Glycerine, Glycerol  
Formula : C<sub>3</sub>H<sub>8</sub>O<sub>5</sub>  
Molecul weight : 92,09 g/mol  
CAS No. : 56-81-5  
EC No : 200-289-5

No components need to be disclosed according to the applicable regulations

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### SECTION 4 : FIRST AID MEASURES

#### 4.1 Description of First aid Measures

- General advice** : Consult a physician. Show this safety data sheet to doctor in attendance
- Inhalation** : When symptoms occur: go into open air and ventilate suspected area
- Skin contact** : Wash off with soap and plenty of water. Consult a physician
- Eye contact** : Rinse opened eye for several minutes under running water
- Ingestion** : Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician

#### 4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling and or section 11

#### 4.3 Indication of any immediate medical attention and special treatment needed

No data available

### SECTION 5 : FIREFIGHTING MEASURES

#### 5.1 Extinguishing Media

**Suitable extinguishing media** : Use water spray, alcohol-resistant foam, dry chemical or CC

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

**Fire Hazard** : Carbon oxides

#### 5.2 Advice for Firefighters

Wear self contained breathing apparatus for fire fighting if necessary

### SECTION 6 : ACCIDENTAL RELEASE MEASURES

#### 6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation  
For personal protection see section 8.

#### 6.2 Environmental Precautions

Avoid discharge into drains, water course or onto the ground.

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

**For containment** : Absorb and/ or contain spill with inert absorbent material then place in suitable container

**Methods for Cleaning Up** : Clear up spills immediately and dispose of waste safely

### SECTION 7 : HANDLING AND STORAGE

#### 7.1 Precautions for Safe Handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist

#### 7.2 Conditions for Safe Storage, Including any incompatibilities

Store in cool place. Keep container tightly closed in a dry well-ventilated place. Maximum temperature 60 °C

**Suitable material for storage** : Stainless Steel, HDPE plastics

**Incompatible Products** : Strong oxidizers (e.g., chromium trioxide, potassium chlorate, potassium permanganate), strong acid (Nitric Acid + Sulphuric Acid)

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### SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1. Control Parameters

Glycerine (56-81-5)		
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>

#### 8.2. Exposure Controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday

Personal Protective Equipment : **Gloves, Safety glasses**



- Eye/Face protection : Safety glasses or chemical goggles
- Skin protection : Chemically resistant protective gloves
- Respiratory protection : In case of inadequate ventilation wear respiratory protection
- Other Information : When using, do not eat, drink or smoke

### SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1 Information on Basic Physical and Chemical Properties

- Physical state : Viscous liquid
- Appearance : Colourless, Viscous
- Odour : Characteristic
- Odour Threshold : No data available
- pH : 5,5 - 8
- Melting point : ca. 18 °C
- Freezing point : No data available
- Boiling point : ca. 290 °C
- Flash point : 160 °C-closed cup
- Evaporation rate : No data available
- Flammability (solid, gas) : No data available
- Upper/lower flammability or explosive limits : Lower explosion limits : 0,9 %(V)
- Vapour pressure : 0,0033 hPa at 50 °C
- Vapour density : 3,18 - (Air = 1,0)
- Relative density : 1,25 g/cm<sup>3</sup>
- Water solubility : Soluble
- Partition coefficient : n-octanol/water : No data available
- Auto-ignition temperature : No data available
- Decomposition temperature : No data available

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### SECTION 10 : STABILITY AND REACTIVITY

10.1 Reactivity	: No data available
10.2 Chemical stability	: Stable under recommended storage conditions
10.3 Possibility of Hazardous Reactions	: No data available
10.4 Condition to avoid	: No data available
10.5 Incompatible material	: Strong oxidizers, strong acid (Nitric Acid + Sulphuric Acid)
10.6 Hazardous Decomposition Products	: Under fire conditions this material may produce hazardous carbon dioxide (CO <sub>2</sub> ), carbon monoxide (CO), various low molecular weight hydrocarbons and smoke

### SECTION 11 : TOXICOLOGICAL INFORMATION

11.1 Information On Toxicological Effects	
Acute toxicity	
LD50 Oral-rat	: 12600 mg/kg
LD50 Dermal-rabbit	: > 10000 mg/kg
Skin corrosion/irritation	: Mild skin irritation-24 hours (rabbit)
Serious eye damage/eye irritation	: Mild eye irritation-24 hours (rabbit)
Respiratory or skin sensitisation	: No data available
Germ cell mutagenicity	: No data available
Carcinogenicity	: Administration of glycerin for up to two years in the diet did not result in an increase in tumor formation
Reproductive toxicity	: No data available
Specific target organ toxicity=single exposure	: No data available
Specific target organ toxicity=repeat exposure	: No data available
Aspiration hazard	: No data available
Additional Information	: RTECS : MA8050000 Prolonged or repeated exposure may cause : Nursea, Headache, Vomiting

### SECTION 12 : ECOLOGICAL INFORMATION

12.1 Toxicity	
LC50 Fish	: 51000 - 57000 mg/L (exposure time : 96 h, Species : Oncorhynchus mykiss)
LC50 Invertebrata	: > 1000 mg/l (exposure time : 24 h, Species : Daphnia magna)
12.2 Persistence and degradability	

The substance is demonstrated to be readily biodegradable, thus meeting screening criterion for "not P and not vP"

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12.3 Bioaccumulative Potential

The substance has measured log Kow of -1.75, which is well below the screening criterion of log Kow <math>\leq 4.5</math> for "not B and not vB"

12.4 Mobility in Soil

No data available

12.5 Other adverse effects

No data available

### SECTION 13 : DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste disposal recommendation : Disposal must be made according to official regulation  
Do not dump into any sewers, on the ground, or into any body of water.

### SECTION 14 : TRANSPORTATION INFORMATION

14.1 UN number

Land transport ADR/RID : Not regulated  
Maritime transport IMDG : Not regulated  
Air transport IATA : Not regulated

14.2 UN Proper Shipping Name

Land transport ADR/RID : Not applicable  
Maritime transport IMDG : Not applicable  
Air transport IATA : Not applicable

14.3 Transport hazard class(es)

Land transport ADR/RID : Not applicable  
Maritime transport IMDG : Not applicable  
Air transport IATA : Not applicable

14.4 Packaging group

Land transport ADR/RID : Not applicable  
Maritime transport IMDG : Not applicable  
Air transport IATA : Not applicable

14.5 Environmental hazards

Land transport ADR/RID : No  
Maritime transport IMDG : No  
Air transport IATA : No

14.6 Special precautions for use

No data available

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### SECTION 15 : REGULATORY INFORMATION

- Inventory status : Listed in TSCA, DSL, EINECS  
Not listed in SARA 311/312, California Proposition 65
- Labeling to according to EU guidelines: : The substance is not subject to classification according to E lists and other sources of literature known to us  
Observe general safety regulations when handling chemical
- Classification according to VbF : Void
- Technical instructions (air) : 

Class	Share in %
NK	100
- WGK water endangering class : Water hazard class 1 (Assessment by list) : Slightly hazardous for water

### SECTION 16 : OTHER INFORMATION

- MSDS updated on : Nov-15
- MSDS creation date : 1-Jan-15
- MSDS No. : UOI-MSDS-QA-022

Disclaimer: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.