



# Cognis Oleochemicals LLC

## Material Safety Data Sheet

**EMERY 917 GLYCERINE 99.7% USP,**

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 SDS no. : 245828  
 Revision: 06/29/2007  
 printing date: 09/26/2007

### 1. Chemical product and company identification

**Product name:**  
 EMERY 917 GLYCERINE 99.7% USP,

For Excipient Use Only.

**Synonyms:**  
 1,2,3-Propanetriol, Glycerol

**Supplier**  
 Cognis Oleochemicals LLC  
 4900 Este Avenue  
 Cincinnati, OH 45232-1446  
 Phone: +1 (800) 543-7370  
 Fax-no.: +1 (513) 482-5513

**Emergency Information Chemtrec:**  
 +1-800-424-9300

### 2. Composition / information on ingredients

**General chemical description:**  
 Refined Glycerine, Kosher

COMPONENT:	CAS-No.	CONCENTRATION (Wt. %):
Glycerol	56-81-5	99.7
Water	7732-18-5	0.3

### 3. Hazards identification

<b>EMERGENCY OVERVIEW</b>
Low hazard for usual industrial or commercial handling.

**Delivery state:**  
 liquid

**State:**  
 clear  
 viscous  
 liquid

**Odor:**

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odorless

**Color(s):**  
colourless

**Routes of entry:**  
Skin contact

**Potential Health Acute Effects:**

**Inhalation:**  
May cause respiratory irritation.

**Skin contact:**  
not irritating

**Eye contact:**  
May cause slight irritation.

**Ingestion:**  
Considered practically non-toxic.

**Potential Chronic Health Effects:**  
None known

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#### 4. First aid measures

**After inhalation:**  
Immediately remove victim to fresh air.  
If breathing has stopped, administer artificial respiration.  
Seek medical attention immediately.

**After skin contact:**  
Wash thoroughly with soap and water.

**After eye contact:**  
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
Do not rub eyes; mechanical action may cause corneal damage.  
If adverse health effects develop seek medical attention.

**After ingestion:**  
Do not induce vomiting, seek medical advice immediately.  
Never give anything by mouth if the victim is rapidly losing consciousness, or is unconscious or convulsing.

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### 5. Fire fighting measures

**Flash point:**

390 °F (198.9 °C)

ASTM D56;; Tagliabue Closed Cup

**Flammability:**

Not flammable.

**Autoignition temperature:**

698 °F (370 °C)

no method

**Suitable extinguishing media:**

Foam.

Carbon dioxide.

Dry Chemical

Water Spray

**Unusual fire or explosion hazards:**

None known

**Hazardous combustion products:**

Carbon dioxide., carbon monoxide

**Additional fire fighting advice:**

In case of fire, keep containers cool with water spray.

If a spill or leak has not ignited, use water spray to disperse the vapors.

Water spray may be used to flush spills away from fire.

### 6. Accidental release measures

**Personal precautions:**

Wear adequate personal protective clothing and equipment.

**Environmental precautions:**

Add dry material to absorb spill (if large spill, dike to contain).

**Process for cleaning and take-up:**

Pick up spilled material and containerize for recovery or disposal.

Flush area with water to remove residues.



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### 7. Handling and storage

**Handling:**

**Handling advice:**

Ensure adequate ventilation.

**Storage:**

**Storage conditions to keep:**

Store in a cool, dry place.  
 Store in sealed original container.

### 8. Exposure controls / personal protection

**Indication for system design:**

Local exhaust ventilation recommended.

**Components with specific control parameters for workplace:**

Valid for USA

Name on list	Basis	Type	Value	Category	Remarks
GLYCERIN MIST	ACGIH	Time Weighted Average (TWA).	10 mg/m <sup>3</sup>		
GLYCERIN MIST, RESPIRABLE FRACTION	OSHA Z1	PEL:	5 mg/m <sup>3</sup>		
GLYCERIN MIST, TOTAL DUST	OSHA Z1	PEL:	15 mg/m <sup>3</sup>		
GLYCERIN MIST, RESPIRABLE FRACTION	OSHA Z1A	Time Weighted Average (TWA).	5 mg/m <sup>3</sup>		
GLYCERIN MIST, TOTAL DUST	OSHA Z1A	Time Weighted Average (TWA).	10 mg/m <sup>3</sup>		
GLYCERIN MIST, RESPIRABLE FRACTION	US CA OEL	Time Weighted Average (TWA)	5 mg/m <sup>3</sup>		
GLYCERIN MIST, TOTAL DUST	US CA OEL	Permissible Exposure Limit (PEL): Time Weighted Average (TWA)	10 mg/m <sup>3</sup>		
GLYCERIN MIST, TOTAL DUST	OSHA Z1	Permissible Exposure Limit (PEL):			Listed.
GLYCERIN MIST, RESPIRABLE FRACTION	OSHA Z1				Listed.
GLYCERIN MIST	ACGIH				Listed.

**Personal protection measures:**

**Respiratory protection:**

Respirator with organic vapor cartridge.

**Hand protection:**

Protective gloves made of plastic.



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**Eye protection:**

Safety glasses with side shields.

### 9. Physical and chemical properties

**General description:**

Delivery state:

liquid

State:

clear

viscous

liquid

Odor:

odorless

Color(s):

colourless

**Designation**

Boiling point

**Value**

290 °C (554°F)

Vapor pressure

0.0023 mbar

**Method**

no information

Specific gravity

1.2600

no method

Solubility in Water

Complete, Soluble in  
All Proportions

no information

### 10. Stability and reactivity

**Stability:**
**Dangerous decomposition products:**

At temperatures more than 300 °C, formation of acrolein is possible.

None if used for intended purpose.

**Decomposition advices:**

No decomposition if used according to specifications.

**Reactivity:**
**Materials to avoid:**

Oxidizers

Bases

Strong Acids

**Hazardous polymerization:**

Will not occur

### 11. Toxicological information

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**Acute oral toxicity:**

LD50 > 5000 mg/kg body weight (analogy)

**Skin Irritation:**

not irritating (analogy)

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### 12. Ecological information

**General ecological information:**

no data available

**Advice of environmental fate:**

Not determined.

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### 13. Disposal considerations

**Waste disposal of product:**

Avoid landfilling liquids.

Reclaim where possible.

All recovered material should be packaged, labeled, transported, and disposed or reclaimed in conformance with applicable laws and regulations and in conformance with good engineering practices.

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### 14. Transport information

**General information:**

Not hazardous according to RID, ADR, ADNR, IMDG, IATA-DGR, CFR and TDG.

The transport information provided represents the regulatory transport classification of the product without consideration to packaging, quantity, or modal restrictions and exceptions. It is the user's responsibility to determine the appropriate packaging and modal requirements and/or limitations for the product quantity being shipped.

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### 15. Regulatory information

**TSCA Inventory Status:**

This product and/or all of its components are either included on or exempt from the TSCA Inventory of Chemical Substances.

**SARA 311/312 Hazard**

None

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**Categories:****TSCA 12(b) Components:** none**SARA 313 Toxic Chemicals:** none**SARA 302 Extremely Hazardous Substances:** none**CERCLA Hazardous Chemicals:** none**California Proposition 65:** No California Proposition 65 listed chemicals are known to be present.

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**16. Other information**

NFPA Rating (US)	Value
Health	1
Fire	1
Reactivity	0
Special Hazard	

HMIS Rating (US)	Value
Health	1
Flammability	1
Reactivity	0

All information, recommendations, and suggestions appearing herein concerning our product are based upon tests and data believed to be reliable. However, it is the user's responsibility to determine the safety, toxicity, and suitability for his own use of the product described herein. Since the actual use by others is beyond our control, no guarantee, express or implied, is being made as to the effects of such use, the results obtained, or the safety and toxicity of the product nor is there any assumed liability arising out of use, by others, of the product referred to herein. The information herein is not to be construed as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.