

A safety data sheet is not required for this product according to Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis

Issue Date: 12/20/2019 Revision Date: 11/06/2024 Replaces Version of: 04/17/2023 Version: 5.3

### SECTION 1: Identification of the substance/mixture and the company/company

#### 1.1. Product Identifier

Product Shape : Substance  
 Substance Name : GLYCERIN CODEX / GLYCERIN CODEX RSPO-MB / GLYCERIN PURE RAPESEED / GLYCERIN 99.5% VEGETABLE / GLYCERIN BIOLOGIQUE  
 Chemical Name : glycerol  
 IUPAC Name : glycerol  
 EC No. : 200-289-5  
 CAS RN : 56-81-5  
 REACH registration number : FREE  
 Product Code : GLYCERINE  
 Crude Formula : C3H8O3

#### 1.2. Utilisations identifiées pertinentes de la substance ou du mélange et utilisations déconseillées

##### Relevant Identified Uses

Industrial/professional use spec. : For professional use only  
 Industrial

#### 1.3. Coordonnées du fournisseur de la fiche de données de sécurité

LAB SAS  
 1 rue de la clef des champs  
 FR-68600 Volgelsheim  
 +33 (0)3 89 22 77 65  
 office@labsys.fr

#### 1.4. Numéro d'appel d'urgence

Country/Region	Organization/Society	Address	Emergency number	Comment
France	ORFILA		+33 1 45 42 59 59	This number automatically directs calls to the nearest poison control center, depending on the caller's location. These poison control and toxicovigilance centers provide free medical help (excluding cost 24 hours on 24 and 7 days on 7.

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## Glycérine végétale

### SECTION 2: Hazard identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No 1272/2008 [CLP]

Uncategorized

##### Adverse physicochemical effects on human health and the environment

No additional information available

#### 2.2. Labelling elements

##### Labelling according to Regulation (EC) No 1272/2008 [CLP]

Labelling not applicable

#### 2.3. Other hazards

This substance/mixture does not meet the PBT criteria of the REACH Annex XIII Regulation

This substance/mixture does not meet the vPvB criteria of the REACH Annex XIII Regulation

Does not contain PBT and/or vPvB substances  $\geq 0.1\%$  assessed in accordance with Annex XIII of the REACH Regulation

### SECTION 3: Composition/Component Information

#### 3.1. Substances

Chemical Name : glycerol  
CAS RN : 56-81-5  
EC No. : 200-289-5

Name	Product identifier	%	Classification according to Regulation (EC) No 1272/2008
1,2,3-Propanetriol(glycerin)	CAS No.: 56-81-5 EC No.: 200-289-5 REACH NUMBER: EXEMPT (ANNEX V)	98 – 100	Uncategorized

### SECTION 4: First aid

#### 4.1. Description of first aid measures

General First Aid : This product is not considered hazardous.  
Post-inhalation first aid : If you feel unwell, consult a doctor. First  
aid after skin contact : Wash with soapy water.  
First aid after eye contact : Rinse eyes with water as a precaution.  
First aid after ingestion : This product is not considered hazardous. Consult a doctor in case of  
malaise.

#### 4.2. Principaux symptômes et effets, aigus et différés

Symptoms/Effects : Not considered hazardous under normal conditions of use.

#### 4.3. Indication des éventuels soins médicaux immédiats et traitements particuliers nécessaires

No additional information available

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### HEADING 5: Fire-fighting measures

#### 5.1. Extinguishing means

Appropriate extinguishing means : Carbon dioxide. Water sprayed. Foam. Dry powder. Sand.  
Inappropriate extinguishing agents : Do not use a strong current of water.

#### 5.2. Specific hazards resulting from the substance or mixture

Hazardous decomposition products in the event of fire : Possible release of toxic fumes. Carbon dioxide. Carbon monoxide. pyrolysis product, toxic.

#### 5.3. Advice to firefighters

Fire protection : Do not intervene without suitable protective equipment.  
Other information : Prevent firefighting wastewater from contaminating the environment.

### SECTION 6: Measures to be taken in the event of accidental dispersal

#### 6.1. Précautions individuelles, équipement de protection et procédures d'urgence

General measures : Spills can be slippery. Evacuate the area. No additional  
information available

#### 6.2. Précautions pour la protection de l'environnement

Avoid release to the environment. Notify the authorities if the product enters sewers or water in the public domain.

#### 6.3. Méthodes et matériel de confinement et de nettoyage

Cleaning processes : Absorb liquid spilled into absorbent material.

#### 6.4. Référence à d'autres rubriques

For more information, see section 8: "Exposure control-personal protection". For the disposal of solid materials or residues, refer to section 13: "Disposal considerations".

### SECTION 7: Handling and storage

#### 7.1. Précautions à prendre pour une manipulation sans danger

Precautions for safe handling : This product is not considered hazardous.  
Hygiene measures : Wash hands after handling.

#### 7.2. Conditions d'un stockage sûr, y compris les éventuelles incompatibilités

Storage conditions : Keep away from heat, hot surfaces, sparks, open flames, and other sources of ignition. Do not smoke. Protect from moisture.  
Storage Temperature : 15 – 25 °C

#### 7.3. Utilisation(s) finale(s) particulière(s)

No additional information available

### RUBRIQUE 8: Contrôles de l'exposition/protection individuelle

#### 8.1. Paramètres de contrôle

National occupational and biological exposure limit values

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### France - Occupational Exposure Limit Values

VME (OEL TWA) 10 mg/m<sup>3</sup> source INRS - aerosol

### 8.2. Exposure controls

#### Personal protective equipment

##### Personal Protective Equipment Symbol(s):



#### Eye and face protection

##### Eye protection

Type	Scope	Characteristics	Norm
Safety glasses			EN 166

#### Skin protection

##### Skin and body protection:

Protective clothing

##### Skin and body protection

Type	Norm
	EN 13832, EN 14605, EN 340

##### Hand protection:

Protective gloves

##### Hand protection

Type	Material	Permeation	Thickness (mm)	Penetration	Norm
	Nitrile Rubber (NBR)	6 (> 480 minutes)	min 0.35 mm		
	Natural rubber	6 (> 480 minutes)	min 0.5 mm		
	Butyl rubber	6 (> 480 minutes)	min 0.5 mm		

#### Respiratory Protection

##### Respiratory Protection:

Wear an appropriate respirator in case of insufficient ventilation

##### Respiratory protection

Device	Filter Type	Condition	Norm
	Type A		

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### SECTION 9: Physical and chemical properties

#### 9.1. Information on essential physical and chemical properties

Physical condition	:Liquid
Colour	:Colourless. light yellow.
Appearance	: Viscous liquid.
Molecular mass	: 92.09 g/mol
Smell	: odourless. Light.
Olfactory threshold	: Not available
Melting Point	: -18 – -10 °C
Freezing point	: Not available
Softening point	: < 20 °C
Boiling point	: 130 – 290 °C
Inflammability	: Non-self-flammable
Explosive properties	: No known dangerous reactions. The vapours can form an explosive mixture with the air.
Lower Explosion Limit	: Not available
Upper Explosion Limit	: 0.9 vol %
Flash Point	: 176 – 199 °C
Auto-ignition temperature	: 400 °C (DIN 54 794)
Decomposition Temperature	: > 290 °C
ph	: 5 – 9
pH solution	: ≈ 10 (5 – 7.5)%
Viscosity, kinematics	: ≈ 912 mm <sup>2</sup> /s
Viscosity, dynamics	: 1150 – 1412 mPa·s (20°C)
Solubility	: completely soluble. Water: soluble Ethanol: soluble Acetone: soluble Organic Solvent: Insoluble
n-octanol/water partition coefficient (Log Kow)	: Not available
n-octanol/water partition coefficient (Log Pow)	: -1.76 (n-octanol/water)
OCDE107 Vapour pressure	: ≈ 23 hPa(a) (20°C)
Vapour pressure at 50°C	: < 1 hPa(a) (20°C)
Density	: Not available
Relative density	: 1.23 – 1.26 (20°C)
Relative vapour density at 20°C	: 3.17
Relative saturation density of vapour/air mixture	: 1
Characteristics of a particle	:Not applicable

#### 9.2. Other information

##### Information on physical hazard classes

Explosive limits : 0.9 vol %

##### Other Security Features

Conductivity : 6400000 pS/m  
VOC content : 0 %

### SECTION 10: Stability and responsiveness

#### 10.1. Responsiveness

The product is stable under normal handling and storage conditions.

#### 10.2. Stabilité chimique

Stable under normal conditions. Hygroscopic.

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### 10.3. Potential for Hazardous Reactions

Stable under normal conditions of employment.

### 10.4. Conditions to be avoided

Humidity. No flames, no sparks. Remove all sources of ignition.

### 10.5. Incompatible materials

Combustion.

### 10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide. smoke. Toxic fumes.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute (oral) toxicity : Uncategorized  
Acute (dermal) toxicity : Uncategorized  
Acute Toxicity (Inhalation) : Uncategorized

#### GLYCERIN CODEX / GLYCERIN CODEX RSPO-MB / PURE GLYCERIN RAPESEED / GLYCERIN 99.5% VEGETABLE / GLYCERIN ORGANIC (56-81-5)

Oral LD50 rat	27200 mg/kg
LD50 skin rabbit	≈ 18700 mg/kg
LD50 dermal	56750 mg/kg guinea pig
LC50 Inhalation - Rat	> 5850 mg/m <sup>3</sup> /4h

Skin corrosion/skin irritation : Not classified  
pH: 5 – 9

Severe eye damage/eye irritation : Uncategorized  
pH: 5 – 9

Respiratory or skin sensitization : Uncategorized

Germ cell mutagenicity : Uncategorized

Carcinogenicity : Uncategorized

Reproductive toxicity : Uncategorized

Specific Specific Target Organ Toxicity (STOT) (Single Exposure) : Uncategorized

Specific target organ toxicity (STOT) (repeated exposure) : Uncategorized

Aspiration Hazard : Uncategorized

#### GLYCERIN CODEX / GLYCERIN CODEX RSPO-MB / PURE GLYCERIN RAPESEED / GLYCERIN 99.5% VEGETABLE / GLYCERIN ORGANIC (56-81-5)

Viscosity, kinematics	≈ 912 mm <sup>2</sup> /s
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### 11.2. Information on other hazards

No additional information available

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### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - General	: This product is not considered toxic to aquatic organisms and does not cause long-term adverse effects in the environment.
Hazards to the aquatic environment, short-term (acute)	: Uncategorized
Hazards to the aquatic environment, long-term (chronic)	: Uncategorized

#### GLYCERIN CODEX / GLYCERIN CODEX RSPO-MB / PURE GLYCERIN RAPESEED / GLYCERIN 99.5% VEGETABLE / GLYCERIN ORGANIC (56-81-5)

LC50 - Fish [1]	> 10000 mg/l (Leuciscus idus)
LC50 - Fish [2]	> 5000 mg/l 24h (Carrassius auratus)
LC50 - Other Aquatic Organisms [1]	54000 mg/l 96h - rainbow trout (Oncorhynchus mykiss)
EC50 - Crustaceans [1]	> 10000 mg/l (24h, Daphnia magna)
TLM - Fish [1]	> 1000 ppm (96h, pisces)
TLM - Other Aquatic Organisms [1]	> 1000 ppm (96h)
Toxic threshold - Other aquatic organisms [1]	2900 mg/L (192h, Microcystis aeruginosa, toxicity test)
Toxic Threshold - Other Aquatic Organisms [2]	> 10000 mg/l (16h, pseudomonas putida, toxicity test)
Toxic threshold - Algae [1]	> 10000 mg/l (168h, scenedesmus quadricauda, toxicity test)

#### 12.2. Persistence et dégradabilité

#### GLYCERIN CODEX / GLYCERIN CODEX RSPO-MB / PURE GLYCERIN RAPESEED / GLYCERIN 99.5% VEGETABLE / GLYCERIN ORGANIC (56-81-5)

Persistence and degradability	Biodegradable.
Biochemical Oxygen Demand (BOD)	0.87 g O <sub>2</sub> /g substance
Chemical Oxygen Demand (COD)	1.16 g O <sub>2</sub> /g substance (ISO 15705)
DThO	1.217 g O <sub>2</sub> /g substance
BOD (% DThO)	71% DTO
Biodegradation	85% (20 days, OECD 301D)

#### 1,2,3-Propanetriol(glycerin) (56-81-5)

Persistence and degradability	Rapidly degradable
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#### 12.3. Potential for bioaccumulation

#### GLYCERIN CODEX / GLYCERIN CODEX RSPO-MB / PURE GLYCERIN RAPESEED / GLYCERIN 99.5% VEGETABLE / GLYCERIN ORGANIC (56-81-5)

n-octanol/water partition coefficient (Log Pow)	-1.76 (n-octanol/water) OCDE107
Potential for bioaccumulation	No bio-accumulation.

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### 12.4. Mobility in Soil

#### GLYCERIN CODEX / GLYCERIN CODEX RSPO-MB / PURE GLYCERIN RAPESEED / GLYCERIN 99.5% VEGETABLE / GLYCERIN ORGANIC (56-81-5)

Surface tension  $\approx 63.4$  mN/m (20°C)

Ecology - soil Low adsorption.

### 12.5. Results of PBT and vPvB assessments

#### GLYCERIN CODEX / GLYCERIN CODEX RSPO-MB / PURE GLYCERIN RAPESEED / GLYCERIN 99.5% VEGETABLE / GLYCERIN ORGANIC (56-81-5)

This substance/mixture does not meet the PBT criteria of the REACH Annex XIII Regulation

This substance/mixture does not meet the vPvB criteria of the REACH Annex XIII Regulation

### 12.6. Propriétés perturbant le système endocrinien

Adverse environmental effects caused by endocrine disrupting properties : The substance/mixture does not have endocrine disrupting properties.

### 12.7. Autres effets néfastes

No additional information available

## SECTION 13: Disposal Considerations

### 13.1. Méthodes de traitement des déchets

Regional waste regulations : Disposal to be carried out in accordance with legal requirements.

European Waste List (LoW, EC 2000/532): 07 00 00 - WASTE FROM ORGANIC CHEMISTRY PROCESSES

07 01 00 - Waste from the manufacture, formulation, distribution and use (FFDU) of basic organic products

07 01 99 - Waste not elsewhere specified

## SECTION 14: Transport information

In compliance with: ADR / IMDG / IATA / DNA / RID

ADR	IMDG	IATA	DNA	RID
<b>14.1. UN Number or Identification Number</b>				
Not regulated for transport				
<b>14.2. UN Proper Shipping Name</b>				
Unregulated	Unregulated	Unregulated	Unregulated	Unregulated
<b>14.3. Transport hazard class(es)</b>				
Unregulated	Unregulated	Unregulated	Unregulated	Unregulated
<b>14.4. Packing Group</b>				
Unregulated	Unregulated	Unregulated	Unregulated	Unregulated
<b>14.5. Ecological hazards</b>				
Unregulated	Unregulated	Unregulated	Unregulated	Unregulated



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ADR	IMDG	IATA	DNA	RID
No additional information available				

### 14.6. Special precautions to be taken by the user

#### Ground transportation

Unregulated

#### Shipping

Unregulated

#### Air transport

Unregulated

#### Inland waterway transport

Unregulated

#### Rail transport

Unregulated

### 14.7. Transport maritime en vrac conformément aux instruments de l'OMI

Not applicable

## SECTION 15: Regulatory information

### 15.1. Réglementations/législation particulières à la substance ou au mélange en matière de sécurité, de santé et d'environnement

#### EU regulations

##### Annex XVII of REACH (Restriction List)

Not listed in Annex XVII of REACH

##### Annex XIV of REACH (Authorisation List)

Not listed in Annex XIV of REACH (Authorisation List)

##### REACH Candidate List (SVHC)

Not listed in the REACH Candidate List

##### PIC Regulation (EU 649/2012, Prior Informed Consent)

Not listed in the PIC list (EU Regulation 649/2012)

##### POPs Regulation (EU 2019/1021, persistent organic pollutants)

Not listed in the POP list (EU Regulation 2019/1021)

##### Ozone Depletion Regulation (EU 1005/2009)

Not listed in the list of ozone-depleting substances (EU Regulation 1005/2009)

##### Dual-Use Regulation (428/2009)

Does not contain any substance subject to COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items

##### VOC Directive (2004/42/EC, volatile organic compounds)

VOC content : 0 %

##### Regulation on explosives precursors (EU 2019/1148)

Does not contain substance(s) listed in the list of explosives precursors (EU Regulation 2019/1148 on the marketing and use of explosives precursors)

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### Regulation on Drug Precursors (EC 273/2004)

Does not contain substance(s) listed in the list of drug precursors (EC Regulation 273/2004 on the manufacture and placing on the market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

### 15.2. Chemical safety assessment

The substance is classified as non-hazardous within the meaning of Regulation (EC) No 1272/2008 [CLP]

### SECTION 16: Other information

A safety data sheet is not required for this product according to Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis

Indications of change		
Heading	Modified element	Remarks
	Revision date	Altered
	Replaces version of	Altered
1.2	Industrial/professional use spec.	Added
5.2	Hazardous decomposition products in the event of fire	Altered
5.3	Other information	Added
6.2	Precautions for the protection of the environment	Altered
7.2	Storage conditions	Added
7.2	Storage Temperature	Added
8	VME (OEL TWA)	Added
8.2	Respiratory protection	Added
8.2	Skin and body protection	Added
8.2	Hand protection	Added
9	Upper Explosion Limit	Altered
9	Lower Explosion Limit	Abducted
9	Steam pressure	Altered
9	Melting Point	Altered
9	Boiling point	Altered
9	Vapour pressure at 50°C	Altered
9	Relative density	Altered
9	Flash Point	Altered
9.1	Decomposition Temperature	Added
10.2	Chemical stability	Altered
10.4	Conditions to avoid	Added
10.5	Incompatible materials	Added
10.6	Hazardous decomposition products	Altered
11.1	LD50 dermal	Added

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Indications of change		
Heading	Modified element	Remarks
11.1	LC50 Inhalation - Rat	<b>Added</b>
11.1	Oral LD50 rat	<b>Altered</b>
11.1	LD50 skin rabbit	<b>Altered</b>
12.1	LC50 - Other Aquatic Organisms [1]	<b>Added</b>
12.4	Surface tension	<b>Altered</b>
12.6	Adverse environmental effects caused by endocrine disrupting properties	<b>Added</b>

Data sources

: This safety data sheet has been drawn up using data from safety data sheets from upstream suppliers.

Safety Data Sheet (SDS), EU