

**SUBSTANCE INFORMATION SHEET**

According to Article 32(1) of Reg. (EC) no. 1907/2006 (REACH)

Revision no. : 01.00  
Revision date : 17/05/2018  
Printing date : 28/10/2025**PRODUCT – Trade name: GLICERINA VEGETALE 99,5-100%**

The product described in this document does not meet the criteria for **classification as hazardous substance/mixture** in accordance with Reg. (EC) no. 1272/2008, it is not persistent, bioaccumulative, toxic (**PBT**) or very persistent and very bioaccumulative (**vPvB**) in accordance with Annex XIII of Reg. (EC) no. 1907/2006 (REACH) and it is not included in the **candidate list of substances** which may be subjected to authorisation.

**In accordance with Articles 31(1) and 31(3) of the REACH Regulation, an SDS must not therefore be provided for this product.** This document is loosely based on the indications provided in Annex II of Reg. (EU) no. 2015/830 to meet the communication obligations to the downstream users.

**1 Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Trade name	Glicerina Vegetale PH.EUR. 99,5% min
Definition of the product	1,2,3-propanetriol
Substance / EC name	<i>Glycerol</i>
CAS number	56-81-5
EC number	200-289-5
REACH Registration number	Not applicable, Ref. Reg. (EC) no. 987/2008
TARIC / customs tariff code	29054500

**1.2 Relevant identified uses of the substance or mixture and uses advised against****1.2.1 Relevant identified uses**

Pharmaceutical use, cosmetics, detergents, textiles, polymers/plastics, rubber, technical application, chemical intermediate

**1.2.2 Uses advised against**

No identified uses

**1.3 Details of the supplier of the substance information sheet**

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Indirizzo	<b>Via Erzelli 9</b>
Località e Stato	<b>16152 Genova - Italia -</b>
Telefono	<b>010 6502941</b>
E-mail della persona competente, responsabile della scheda dati di sicurezza	<b><a href="mailto:regulatory@andreagallo.it">regulatory@andreagallo.it</a></b>

<b>1.4 Emergency telephone number</b>	Centro Antiveleni Ospedale Niguarda Milano Ph: +39 02 66.10.10.29
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**2 Hazards identification****2.1 Classification of the substance or mixture**

Ref. Reg. (EC) no. 1272/2008 (EU-GHS/CLP)	Not classified as hazardous
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**2.2 Label elements**

Ref. Reg. (EC) no. 1272/2008 (EU-GHS/CLP)	Not classified as hazardous
Hazard pictogram(s)	n/a
Signal word(s)	n/a
Hazard statement(s)	n/a
Precautionary statement(s)	n/a
See Section 16 for full text of each statement/classification	

**2.3 Other hazards**

The substance does not meet the criteria for PBT or vPvB in accordance with Annex XIII of the REACH Regulation

**3 Composition/information on ingredients****3.1 Substances**

Main constituent	<i>Glycerol</i>
Molecular formula	$C_3H_8O_3$
Description	Glycerol $C_3H_8O_3$

Ref. Reg. (EC) no. 1272/2008 (EU-GHS/CLP)

<u>Substance name</u>	<u>Product identifier(s)</u>	<u>Concentration %</u>	<u>Classification</u>
Glycerol	N° CAS : 56-81-5 N° EC : 200-289-5 REACH : Exempt	≥ 99,5	Not classified

See Section 16 for full text of each statement/classification

**3.2 Mixtures**

Not applicable

**4 First aid measures****4.1 Description of first aid measures**

General information	If symptom(s)/sickness persist, always seek specific medical advice
After inhalation	Move the exposed individual to fresh air. If symptom(s)/sickness persist, seek medical attention
After skin contact	Wash immediately with running water and soap. Remove contaminated clothing/shoes
After eye contact	Rinse immediately/carefully with plenty of water. If irritation persists, consult an ophthalmologist
After ingestion	Rinse out mouth with water, drink water. Ingestion of large quantities or any symptoms: medical attention is required. Never give anything by mouth if the victim is unconscious

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

After inhalation	Sore throat, cough. Irritation of the respiratory tract
After skin contact	Generally no significant symptoms/injuries
After eye contact	Inflammation of eye tissues, strong tearing
After ingestion	Headache, nausea, vomit, diarrhea

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

No identified treatments. Treat symptomatically

**5 Firefighting measures****5.1 Extinguishing media**

Suitable extinguishing media	Water spray, foam, CO <sub>2</sub> , fire-extinguishing powder, depending on the environment/material
Unsuitable extinguishing media	Direct water jet

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

Hazardous combustion products	May produce toxic fumes of carbon monoxide / dioxide, acrolein (toxic, flammable) if burning
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**5.3 Advice for firefighters**

Protective equipment	Wear appropriate protective equipment and self-contained breathing apparatus
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**6 Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

In case of large spills/releases: wear suitable protective equipment/PPE: gloves, boots, masks. Prevent direct contact with eyes and avoid extended contact with skin and personal clothing. Remove/keep away from ignition sources; provide adequate ventilation in order to prevent/minimize aerosol/dust generation

**6.2 Environmental precautions**

Do not allow the product to flow into drains, surface and ground water; prevent soil contamination

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

Stop the leak safely and contain the spill, then pump the released substance (liquid, large spill) as much as possible. Absorb with inert absorbent material (sand, powdered limestone, sawdust, universal binder).

Immediately clean contaminated surfaces with water and soap solution.

Dispose material according to Section 13

**6.4 Reference to other sections**

See Sections 8 and 13 for more information on PPE and waste material disposal

**7 Handling and storage****7.1 Precautions for safe handling**

Follow the common security/general occupational hygiene practices: do not eat, drink and smoke in work areas; always wash hands after use.

Prevent direct contact with eyes, skin and personal clothing. Keep away from ignition sources/sparks

## 7.2 Conditions for safe storage, including any incompatibilities

Provide adequate ventilation in storage areas, protect from heat and remove any potential ignition sources and electrical hazards. Keep away from (strong) oxidizing/reducing agents. Prevent/minimize aerosol/dust generation.

Keep containers tightly sealed and store in a cool, dry place at ambient temperature. Protect from exposure to direct sunlight. Hygroscopic fluid: keep in a dry location and protect from moisture/water

## 7.3 Specific end use(s)

No information available

# 8 Exposure controls/personal protection

## 8.1 Control parameters

TLV-TWA [A.C.G.I.H]	10 mg/m <sup>3</sup> , mist/aerosol
DNEL [Inhalation, workers, local effects, long term]	56 mg/m <sup>3</sup> inhalable particles/vapours
DNEL [Inhalation, gen. population, local effects, long term]	33 mg/m <sup>3</sup> inhalable particles/vapours
DNEL [Oral, gen. population, systemic effects, long term]	229 mg/Kg bw/day
PNEC [Aquatic organisms, freshwater]	0,885 mg/L
PNEC [Aquatic organisms, marine water]	0,0885 mg/L
PNEC [Aquatic organisms, IR]	8,85 mg/L
PNEC [Aquatic organisms, STP]	1000 mg/L
PNEC [Aquatic organisms, sediment, freshwater]	3,3 mg/Kg sediment dw
PNEC [Aquatic organisms, sediment, marine water]	0,33 mg/Kg sediment dw
PNEC [Terrestrial organisms, soil]	0,141 mg/Kg soil dw

## 8.2 Exposure controls

Personal protective equipment

Eye/face protection

Safety glasses

In case of dust/mist/aerosol: face shield

Skin protection

Protective gloves, protective clothing

Material: butyl rubber, viton, polyethylene

Respiratory protection

In case of dust/mist/aerosol: dust mask with filter type P2

# 9 Physical and chemical properties

## 9.1 Information on basic physical and chemical properties

Properties	Conditions / methods	Values	Units
Physical state	T: 20°C	Clear, viscous fluid	-
Colour	-	Colourless	-
Odour	-	Odourless	-
pH	-	Neutral	-
Melting point/range	P: 101,3 KPa	~ 18	°C
Boiling point	P: 760 mm Hg	290	°C
Flash point (P-MCC)	P: 101,3 KPa, closed cup	199	°C
Flash point (COC)	P: 101,3 KPa, open cup	177	°C
Vapour pressure	T: 20°C	< 0,001	mm Hg
Relative density	T: 20°C	~ 1,262	g/cm <sup>3</sup>
Solubility	T: 20°C	Water: totally soluble	-
Partition coefficient	T: 25°C, log Pow	n-octanol/water: -1,75	-
Auto-ignition temperature	-	> 350	°C
Viscosity	T: 20°C	~ 1410	mPa.s
Viscosity	T: 25°C	~ 800	mPa.s

**9.2 Other information**

Soluble in alcohol, insoluble in oils/fats. Hygroscopic fluid

**10 Stability and reactivity****10.1 Reactivity**

On combustion: may produce toxic fumes of carbon monoxide/dioxide. Exothermic reaction with (strong) oxidizing/reducing agents: liberation of excessive heat and increased fire/explosion hazard

**10.2 Chemical stability**

Stable under normal storage and operation/handling conditions. Hygroscopic fluid

**10.3 Possibility of hazardous reactions**

Hazardous polymerizations: not expected under normal conditions. Reactivity: see Section 10.1

**10.4 Conditions to avoid**

Keep substance away from heat/ignition sources

**10.5 Incompatible materials**

Oxidizing/reducing agents, (strong) bases

**10.6 Hazardous decomposition products**

Hazardous combustion products: carbon monoxide/dioxide, acrolein (toxic, flammable)

**11 Toxicological information****11.1 Information on toxicological effects**

Acute toxicity	LD50 [oral, rat]: > 10000 mg/kg bw, non toxic
	LD50 [dermal, guinea pig]: 45 ml/kg bw, non toxic
Skin corrosion/irritation	Not classified
Serious eye damage/irritation	Not classified
Skin sensitisation	No data
Germ cell mutagenicity	Not classified
Carcinogenicity	No data
Repeated dose toxicity [NOAEL, oral, rat]	8000 - 10000 mg/Kg bw/day [CAS# 56-81-5]
Reproductive toxicity [NOAEL, oral, rat]	~ 2000 mg/Kg bw/day [CAS# 56-81-5]
STOT – single exposure	No data
STOT – repeated exposure	No data
Aspiration hazard	No data

**12 Ecological information****12.1 Toxicity**

Acute toxicity to fish	LC50: 54000 mg/L 96h (Oncorhynchus m., OECD 203, s)
	LC50: > 5000 mg/L 24h (Carassius auratus, s)
Acute toxicity to aquatic invertebrates	EC50: > 10000 mg/L 24h (Daphnia m., OECD 202, s)
Toxicity to aquatic algae	EC3: > 10000 mg/L 8dd (Scenedesmus q., s)
Toxicity to microorganisms	NOEC: > 10000 mg/L 16h (Pseudomonas p., s)

s-s : semi-static, s : static

**12.2 Persistence and degradability**

Biodegradation in water: during tests for ready biodegradability the degradation of the test substance passed within the 10 day time window the threshold value (60% ThOD) set for classification as "readily biodegradable" [Method: OECD 301 D (Ready Biodegradability: Closed Bottle Test)], with the following results: > 90% in 24h

**12.3 Bioaccumulative potential**

BCF: no data; partition coefficient n-octanol/water (log Pow): -1,75

**12.4 Mobility in soil**

No information available

**12.5 Results of PBT and vPvB assessment**

The substance is not PBT or vPvB

**12.6 Other adverse effects**

No information available

**13 Disposal considerations****13.1 Waste treatment methods**

Always consider/evaluate the opportunity of re-using the material, whenever applicable.  
Dispose of the special waste by delivering to an authorized incineration plant adhering to the environmental regulation in force or, alternatively, by delivering to an authorized recycling/treatment plant, in accordance with regional/national/Community provisions in force. Contaminated containers shall be consigned to a specific recycling plant or disposed of in accordance with local regulation in force.  
See Section 6 for more information on proper methods for collection and personal/environmental precautions

**14 Transport information**

This substance/mixture is not classified as hazardous according to transport regulations ADR | RID | ADN | IMDG | ICAO/IATA

**15 Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Restrictions according to REACH, Annex XIV (substances subject to authorization): none  
Restrictions according to REACH, Annex XVII (substances subject to restrictions on use): none  
At the date of issue of the SIS, this substance is not included in the Candidate List of SVHCs

**15.2 Chemical safety assessment**

A Chemical Safety Assessment was performed for this substance, an exposure scenario is not applicable: the substance is not classified as hazardous and is not PBT / vPvB



**16 Other information**

Information on revision of the SIS

First edition

Sections changed: 1 ÷ 16

Legend to abbreviations/acronyms used

<u>Abbreviation / acronym</u>	<u>Description</u>
UVCB (substance)	<i>Chemical substances of Unknown or Variable Composition, complex reaction products and Biological materials</i>
CAS (number)	<i>Chemical Abstracts Service</i>
EC (number)	<i>Ref. EINECS/ELINCS number</i>
R.E.A.Ch.	<i>Registration, Evaluation, Authorisation and Restriction of Chemicals</i>
TARIC	<i>Tariffa Integrata della Comunità (Integrated Community Tariff code)</i>
GHS	<i>Globally Harmonised System of Classification and Labelling of Chemicals</i>
CLP	<i>Classification, Labelling and Packaging regulation</i>
n/a	<i>not applicable</i>
SDA	<i>Soaps &amp; Detergent Association</i>
PPE	<i>Personal Protection Equipment</i>
DNEL	<i>Derived No Effect Level</i>
bw	<i>body weight</i>
NOAEL	<i>No Observed Adverse Effect Levels</i>
STOT	<i>Specific Target Organ Toxicity</i>
BCF	<i>Bioconcentration Factor</i>
PBT (substance)	<i>Persistent Bioaccumulative Toxic</i>
vPvB (substance)	<i>Very Persistent, Very Bioaccumulative</i>
SVHC (substance)	<i>Substances of Very High Concern</i>

Full text of statements/classifications

<u>Statement</u>	<u>Description</u>
n/a	n/a

The information provided in this document relates solely to the specified product as is upon delivery and may not apply if the product is used in combination with others.

This information is based on our current knowledge at the date of issue of this substance information sheet; it is intended to give a description of the product solely from the point of view of health, safety and environmental requirements; it shall not therefore constitute a guarantee for any specific property of the product and shall not establish any legally binding contractual relationship.