



GLYCERINE CODEX / GLYCERINE CODEX RSPO-MB / GLYCERINE PURE COLZA / GLYCERINE 99.5% VEGETALE / GLYCERINE BIOLOGIQUE

Product Safety Information Sheet

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

SDS Reference Number: GLYCERINE

Issue date: 12/20/2019 Revision date: 11/6/2024 Supersedes version of: 4/17/2023 Version: 5.3

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

1.1. Product identifier

Product form	: Substance
Substance name	: GLYCERINE CODEX / GLYCERINE CODEX RSPO-MB / GLYCERINE PURE COLZA / GLYCERINE 99.5% VEGETALE / GLYCERINE BIOLOGIQUE
Chemical name	: glycerol
IUPAC name	: glycerol
EC-No.	: 200-289-5
CAS-No.	: 56-81-5
REACH registration No.	: EXEMPTÉ
Product code	: GLYCERINE
Formula	: C3H8O3

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

Relevant identified uses

Industrial/Professional use spec	: For professional use only Industrial
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1.3. Details of the supplier of product safety information sheet

INTERCHIMIE
ZAC du Parc
13 rue Louis Blériot
FR- 77290 COMPANS
T T: +33 (0)1 64 77 76 27
qualite@interchimie.fr, www.interchimie.fr

1.4. Emergency telephone number

No additional information available

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

No labelling applicable

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

Contains no PBT and/or vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

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SECTION 3: Composition/information on ingredients

3.1. Substances

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

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
1,2,3-Propanetriol(glycerin)	CAS-No.: 56-81-5 EC-No.: 200-289-5 REACH-no: EXEMPTÉ (ANNEXE V)	98 – 100	Not classified

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : This product is not considered to be hazardous.
First-aid measures after inhalation : If you feel unwell, seek medical advice.
First-aid measures after skin contact : Wash with soapy water.
First-aid measures after eye contact : Rinse eyes with water as a precaution.
First-aid measures after ingestion : This product is not considered to be hazardous. Get medical advice/attention if you feel unwell.

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

Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Carbon dioxide. Water spray. Foam. Dry powder. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released. Carbon dioxide. Carbon monoxide. produit de pyrolyse, toxique.

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment.
Other information : Prevent fire fighting water from entering the environment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Spill area may be slippery. Evacuate area.

No additional information available

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6.2. Environmental precautions

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For disposal of solid materials or residues refer to section 13 : "Disposal considerations".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : This product is not considered to be hazardous.
Hygiene measures : Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Protect from moisture.
Storage temperature : 15 – 25 °C

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

National occupational exposure and biological limit values

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France - Occupational Exposure Limits

VME (OEL TWA)	10 mg/m ³ source INRS - aérosol
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8.2. Exposure controls

Personal protection equipment

Personal protective equipment symbol(s):



Eye and face protection

Eye protection			
Type	Field of application	Characteristics	Standard
Safety glasses			EN 166

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Skin protection

Skin and body protection:

Protective clothing

Skin and body protection	
Type	Standard
	EN 13832, EN 14605, EN 340

Hand protection:

Protective gloves

Hand protection					
Type	Material	Permeation	Thickness (mm)	Penetration	Standard
	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 suitable respiratory equipment in case of insufficient ventilation

Respiratory protection			
Device	Filter type	Condition	Standard
	Type A - High-boiling (>65 °C) organic compounds		

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless. light yellow.
Appearance	: Viscous liquid.
Molecular mass	: 92.09 g/mol
Odour	: odourless. slight.
Odour threshold	: Not available
Melting point	: -18 – -10 °C
Freezing point	: Not available
Softening point	: < 20 °C
Boiling point	: 130 – 290 °C
Flammability	: Not self-igniting
Explosive properties	: No dangerous reactions known. Vapours may form explosive mixture with 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, kinematic	: ≈ 912 mm ² /s
Viscosity, dynamic	: 1150 – 1412 mPa·s (20°C)

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Solubility	: completely soluble. Water: soluble Ethanol: soluble Acetone: soluble Organic solvent:insoluble
Partition coefficient n-octanol/water (Log Kow)	: Not available
Partition coefficient n-octanol/water (Log Pow)	: -1.76 (n-octanol/eau) 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 density of saturated gas/air mixture	: 1
Particle characteristics	: Not applicable

9.2. Other information

Information with regard to physical hazard classes

Explosion limits : 0.9 vol %

Other safety characteristics

Specific conductivity : 6400000 pS/m
VOC content : 0 %

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is stable at normal handling and storage conditions.

10.2. Chemical stability

Stable under normal conditions. Hygroscopic.

10.3. Possibility of hazardous reactions

Stable under normal conditions of use.

10.4. Conditions to avoid

Moisture. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

Oxidizing.

10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide. fume. Toxic fumes.

SECTION 11: Toxicological information

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

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

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LD50 oral rat	27200 mg/kg
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LD50 dermal rabbit	≈ 18700 mg/kg
LD50 dermal	56750 mg/kg cobaye
LC50 Inhalation - Rat	> 5850 mg/m ³ /4h
Skin corrosion/irritation	: Not classified pH: 5 – 9
Serious eye damage/irritation	: Not classified pH: 5 – 9
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

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Viscosity, kinematic	≈ 912 mm ² /s
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11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

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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 - truite arc-en-ciel (Oncorhynchus mykiss)
EC50 - Crustacea [1]	> 10000 mg/l (24h, Daphnia magna)
TLM - Fish [1]	> 1000 ppm (96h, pisces)
TLM - Other aquatic organisms [1]	> 1000 ppm (96h)
Threshold limit - Other aquatic organisms [1]	2900 mg/l (192h, microcystis aeruginosa, test de toxicité)
Threshold limit - Other aquatic organisms [2]	> 10000 mg/l (16h, pseudomonas putida, test de toxicité)
Threshold limit - Algae [1]	> 10000 mg/l (168h, scenedesmus quadricauda, test de toxicité)

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12.2. Persistence and degradability

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Persistence and degradability	Biodegradable.
Biochemical oxygen demand (BOD)	0.87 g O ₂ /g substance
Chemical oxygen demand (COD)	1.16 g O ₂ /g substance (ISO 15705)
ThOD	1.217 g O ₂ /g substance
BOD (% of ThOD)	71 % ThOD
Biodegradation	85 % (20 jours, OECD 301D)

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

Persistence and degradability	Rapidly degradable
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12.3. Bioaccumulative potential

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Partition coefficient n-octanol/water (Log Pow)	-1.76 (n-octanol/eau) OCDE107
Bioaccumulative potential	No bioaccumulation.

12.4. Mobility in soil

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Surface tension	≈ 63.4 mN/m (20°C)
Ecology - soil	Small adsorption.

12.5. Results of PBT and vPvB assessment

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This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties : La substance / le mélange n'a pas de propriétés de perturbation endocrinienne.

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional waste regulation : Disposal must be done according to official regulations.

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European List of Waste (LoW, EC 2000/532) : 07 00 00 - WASTES FROM ORGANIC CHEMICAL PROCESSES
07 01 00 - wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals
07 01 99 - wastes not otherwise specified

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
Not regulated for transport				
14.2. UN proper shipping name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available				

14.6. Special precautions for user

Overland transport

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

Inland waterway transport

Not regulated

Rail transport

Not regulated

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU-Regulations

REACH Annex XVII (Restriction List)

Not listed on REACH Annex XVII

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REACH Annex XIV (Authorisation List)

Not listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Not listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

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

POP Regulation (Persistent Organic Pollutants)

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

Ozone Regulation (1005/2009)

Not listed on the Ozone Depletion list (Regulation EU 1005/2009)

Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

VOC Directive (2004/42)

VOC content : 0 %

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.2. Chemical safety assessment

This substance is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

SECTION 16: Other information

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Indication of changes		
Section	Changed item	Comments
	Revision date	Modified
	Supersedes version of	Modified
1.2	Industrial/Professional use spec	Added
5.2	Hazardous decomposition products in case of fire	Modified
5.3	Other information	Added
6.2	Environmental precautions	Modified
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	Modified

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Indication of changes		
Section	Changed item	Comments
9	Lower explosion limit	Removed
9	Vapour pressure	Modified
9	Melting point	Modified
9	Boiling point	Modified
9	Vapour pressure at 50°C	Modified
9	Relative density	Modified
9	Flash point	Modified
9.1	Decomposition temperature	Added
10.2	Chemical stability	Modified
10.4	Conditions to avoid	Added
10.5	Incompatible materials	Added
10.6	Hazardous decomposition products	Modified
11.1	LD50 dermal	Added
11.1	LC50 Inhalation - Rat	Added
11.1	LD50 oral rat	Modified
11.1	LD50 dermal rabbit	Modified
12.1	LC50 - Other aquatic organisms [1]	Added
12.4	Surface tension	Modified
12.6	Adverse effects on the environment caused by endocrine disrupting properties	Added

Data sources : This MSDS has been established with data of MSDS coming from upstream suppliers.

Safety Data Sheet (SDS), EU