



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

Reference number: GLYCERINE

Issue date: 12/20/2019 Revision date: 12/20/2019 Supersedes version of: 11/10/2011 Version: 5.0

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

1.2.1. Relevant identified uses

No additional information available

1.2.2. Uses advised against

No additional information available

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

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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	%
1,2,3-Propanetriol(glycerin)	(CAS-No.) 56-81-5 (EC-No.) 200-289-5 (REACH-no) EXEMPTÉ (ANNEXE V)	98 – 100

3.2. Mixtures

Not applicable

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.

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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

6.1.1. For non-emergency personnel

No additional information available

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6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Avoid release to the environment.

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

No additional information available

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

No additional information available

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No additional information available

8.2.2. Personal protection equipment

No additional information available

8.2.3. Environmental exposure controls

No additional information available

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Viscous liquid.
Molecular mass	: 92.09 g/mol
Colour	: Colourless. light yellow.
Odour	: odourless. slight.
Odour threshold	: No data available
pH	: 5 – 9
pH solution	: ≈ 10 (5 – 7.5) %
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: 18 °C
Freezing point	: No data available
Boiling point	: 290 °C
Flash point	: ≈ 180 °C
Auto-ignition temperature	: 400 °C (DIN 54 794)
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not self-igniting
Vapour pressure	: < 0.001 mm Hg (20°C)
Vapour pressure at 50 °C	: < 1 hPa(a)
Relative vapour density at 20 °C	: 3.17
Relative density	: 1.26 (20°C)
Relative density of saturated gas/air mixture	: 1
Solubility	: completely soluble. Water: soluble Ethanol: soluble Acetone: soluble Organic solvent:insoluble
Partition coefficient n-octanol/water (Log Pow)	: -1.76 (n-octanol/eau) OCDE107
Viscosity, kinematic	: ≈ 912 mm ² /s
Viscosity, dynamic	: 1150 – 1412 mPa·s (20°C)
Explosive properties	: No dangerous reactions known. Vapours may form explosive mixture with air.
Oxidising properties	: No data available
Explosive limits	: 0.9 vol %
Lower explosive limit (LEL)	: 2.7 vol %
Upper explosive limit (UEL)	: 19 vol %

9.2. Other information

Specific conductivity	: 6400000 pS/m
Softening point	: < 20 °C
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.

10.3. Possibility of hazardous reactions

Stable under normal conditions of use.

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10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide. fume.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

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

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LD50 oral rat	12600 mg/kg
LD50 dermal rabbit	> 18700 mg/kg

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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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)
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)

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)

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	0.063 N/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. Other adverse effects

No additional information available

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.
European List of Waste (LoW) code : 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				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
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. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

GLYCERINE CODEX / GLYCERINE CODEX RSPO-MB / GLYCERINE PURE COLZA / GLYCERINE 99.5% VEGETALE / GLYCERINE BIOLOGIQUE is not on the REACH Candidate List

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GLYCERINE CODEX / GLYCERINE CODEX RSPO-MB / GLYCERINE PURE COLZA / GLYCERINE 99.5% VEGETALE / GLYCERINE BIOLOGIQUE is not subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

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VOC content : 0 %

15.1.2. National regulations

Germany

Water hazard class (WGK) : WGK 1, Slightly hazardous to water (Classification according to VwVwS, Annex 1 or 2; ID No. 116)

Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

Netherlands

SZW-lijst van kankerverwekkende stoffen : The substance is not listed

SZW-lijst van mutagene stoffen : The substance is not listed

NIET-limitatieve lijst van voor de voortplanting

giftige stoffen – Borstvoeding

NIET-limitatieve lijst van voor de voortplanting : The substance is not listed

giftige stoffen – Vruchtbaarheid

NIET-limitatieve lijst van voor de voortplanting : The substance is not listed

giftige stoffen – Ontwikkeling

Denmark

Classification remarks : Emergency management guidelines for the storage of flammable liquids must be followed

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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Safety Data Sheet (SDS), EU