Safety data sheet

according to Regulation(EC)No1907/2006, Article 31

Printing date 17.03.2026 Version number 11 (replaces version 10) Revision: 17.03.2026

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

· **1.1 Product identifier** ·

Trade name: POLYSORBATE 80 ALIMENTAIRE

· **Chemical Identification:** Polyethylene glycol sorbitan monooleate

· **Article number:**

· **CAS Number:**
9005-65-6

· **EINECS Number:**
Polymer

· **Registration number**
The product is a polymer and therefore exempted from registration obligation under REACH (EU).

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

· **Application of the substance / the mixture** Emulsifier

· **Uses advised against** No further relevant information available.

· **1.3 Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:**
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

· **Further information obtainable from:** Safety and health group

· **1.4 Emergency telephone number:**
ORFILA +33 1 45 42 59 59

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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
Classification according toRegulation (EC) No 1272/2008
Aquatic Chronic3H412Harmful toaquatic lifewithlong lasting effects.

· **2.2 Label elements**
Labelling according to Regulation (EC)No 1272/2008
Thesubstance is classifiedand labelled according to the CLP regulation.
Hazardpictograms Void
Signalword Void

(Hazard-determining) components of labelling:
9005-65-6 Polyethyleneglycol sorbitan monooleate
Hazard statements
H412 Harmful to aquaticlife with long lasting effects.

Precautionary statements P273 Avoid release to the environment.

2.3Other hazards
Results of PBTand vPvBassessment
PBT: Forinformationon PBTassessment, see Section 12.
vPvB: Forinformationon thevPvB assessment, see Section 12.
Determination of endocrine-disrupting properties
For information on endocrinedisrupting properties see section 11.

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SECTION 3: Composition/information on ingredients

3.1 Substances
CASNo. Description
9005-65-6Polyethylene glycol sorbitan monooleate
Identification number(s)
EC number: Polymer
Additionalinformation: Polymers are exempted from registration obligation under REACH (EU).

SECTION 4: First aid measures

4.1Description offirstaidmeasures
Generalinformation: Nospecial measures required.
Afterinhalation: Supply fresh air; consult doctor in case of complaints.
Afterskincontact: Immediately wash with water and soap and rinse thoroughly.
Aftereyecontact: Rinse opened eye for several minutes under running water.
After swallowing:
Seek medical treatment.
Rinse mouth.
Do not induce vomiting.
4.2 Most important symptoms and effects, both acute and delayed
No further relevant information available.
4.3 Indication of any immediate medical attention and special treatment needed
Risk of aspiration.

SECTION 5: Firefighting measures

5.1 Extinguishing media
Suitable extinguishing agents:
CO2, powder or waterspray. Fight larger fires with water spray or alcohol resistant foam.
Forsafetyreasonsunsuitableextinguishingagents: Water with full jet
5.2 Special hazards arising from the substance or mixture
In case of fire, the following can be released:
Organic decompositionproducts
Carbon oxides (COx)
5.3 Advice for firefighters
Protective equipment: Use suitable breathing apparatus if necessary.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Particular danger of slippingonleaked/spilled product.
Avoid contactwith the eyesandskin.
Wear protective equipment.Keepunprotected personsaway.
6.2 Environmental precautions: Do not allow to entersewers/ surface or ground water.
6.3 Methods and materialforcontainment and cleaning up:
Absorb with liquid-bindingmaterial(sand, diatomite, acidbinders, universal binders, sawdust).
6.4 Reference to other sections
No dangerous substancesarereleased.
See Section 7 for informationonsafe handling.
See Section 8 for informationonpersonal protection equipment.
See Section 13 for disposal information.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling
No special measures required. Open and handle receptacle with care. Wear protective clothing. Do not eat, drink or smoke in working area.

Information about fire-and explosion protection: No special measures required.

7.2Conditionsforsafestorage, including any incompatibilities
Storage:
Requirementstobemetbystoreroomsandreceptacles: Store only in the original receptacle.
Information aboutstorageinonecommonstoragefacility: Not required.
Further informationaboutstorageconditions: None.
Storage class: Combustibleliquid.
7.3 Specific enduse(s) Nofurther relevant information available.

SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**
· **Ingredients with limit values that require monitoring at the workplace:**
· **Additional information:** The lists valid during the making were used as basis.

· **8.2 Exposure controls**
· **Appropriate engineering controls** No further data; see section 7.
· **Individual protection measures, such as personal protective equipment**
· **General protective and hygienic measures:**
Do not eat, drink, smoke or sniff while working.
The recommended specification of the protective clothing articles is to be chosen according to the duration of the exposition, the concentration and the amount of the dangerous substances at the working environment. Seek advice of the suppliers.
· **Respiratory protection:** Not required.
· **Hand protection**



Protective gloves

· **Material of gloves**
e.g. Nitrile rubber, NBR
Recommended thickness of the material: 0.11 mm
· **Penetration time of glove material**
Minimum breakthrough time : > 480 min (Permeation according to EN 374 Part 3: level 6)
· **Eye/face protection**



Tightly sealed goggles (EN 166).

· **Body protection:** Protective work clothing

SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**
· **General Information**
· **Physical state** Fluid

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· **Colour:**	Yellowish
· **Odour:**	Characteristic
· **Odour threshold:**	Not determined.
· **Melting point/freezing point:**	< 0 °C
· **Boiling point or initial boiling point and boiling range**	Undetermined.
· **Flammability**	The substance is capable of catching fire or being set on fire.
· **Lower and upper explosion limit**	
· **Lower:**	Not determined.
· **Upper:**	Not determined.
· **Flash point:**	276 °C
· **Decomposition temperature:**	Not determined.
· **pH (10 g/l) at 20 °C**	5.0-7.0
· **Viscosity:**	
· **Kinematic viscosity**	Not determined.
· **Dynamic at 40 °C:**	450 mPas
· **Solubility**	
· **water:**	Fully miscible.
· **Partition coefficient n-octanol/water (log value)**	Product is an emulsifier.
· **Vapour pressure:**	Not determined.
· **Density and/or relative density**	
· **Density:**	1.08 g/cm³(25°C)
· **Relative density**	Not determined.
· **Vapour density**	Not determined.

· **9.2 Other information**	
· **Appearance:**	
· **Form:**	Fluid
· **Important information on protection of health and environment, and on safety.**	
· **Ignition temperature:**	Not determined.
· **Explosive properties:**	Product does not present an explosion hazard.
· **Change in condition**	
· **Evaporation rate**	Not determined.

· **Information with regard to physical hazard classes**	
· **Explosives**	Void
· **Flammable gases**	Void
· **Aerosols**	Void
· **Oxidising gases**	Void
· **Gases under pressure**	Void
· **Flammable liquids**	Void
· **Flammable solids**	Void
· **Self-reactive substances and mixtures**	Void
· **Pyrophoric liquids**	Void
· **Pyrophoric solids**	Void
· **Self-heating substances and mixtures**	Void
· **Substances and mixtures, which emit flammable gases in contact with water**	Void
· **Oxidising liquids**	Void
· **Oxidising solids**	Void
· **Organic peroxides**	Void
· **Corrosive to metals**	Void

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· **Desensitised explosives** Void

SECTION 10: Stability and reactivity

10.1 Reactivity Product isstable undernormal ambient conditions.
10.2 Chemical stability
Thermaldecomposition / conditions to be avoided:
No decomposition if usedaccording tospecifications.
10.3Possibilityofhazardousreactions Nodangerous reactions known.
10.4Conditionstoavoid No further relevantinformation available.
10.5Incompatiblematerials: No furtherrelevant information available.
10.6Hazardousdecompositionproducts: No dangerous decomposition products known.

SECTION 11: Toxicological information

11.1Informationon hazardclassesas definedinRegulation (EC) No 1272/2008
Acutetoxicity Basedon available data,the classification criteriaarenotmet.
LD/LC50 values relevant for classification:
Literature

Oral	LD50 >5000mg/kg (rat)(OECD 401)

· **Primary irritant effect:**

Skin corrosion/irritation
No irritating effect.
According to CESIO-recommendation 05/2021
Serious eye damage/irritation
No irritating effect.
OECD 492
own data
Respiratory or skin sensitisation No sensitising effects known.
Germ cell mutagenicity no data
Carcinogenicity no data
Reproductive toxicity no data
STOT-single exposure no data
STOT-repeated exposure no data
Aspiration hazard no data
11.2 Information on other hazards
Endocrine disrupting properties Substance is not listed.
Other information No further relevant information available.

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SECTION 12: Ecological information

· **12.1 Toxicity**
· **Aquatic toxicity:**
The classification was carried out according to CESIO-recommendation 05/2021

EC50	10 - 100 mg/l (daphne) (CESIO (10/2015))
LC50	10 - 100 mg/l (fish) (CESIO (10/2015))
IC50	10 - 100 mg/l (alga) (CESIO (10/2015))

· **12.2 Persistence and degradability**
According to CESIO-recommendation 10/2015 (Env. class.)
Not easily biodegradable
· **Other information:**
This statement was deduced from products with a similar structure or composition.

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· **12.3 Bioaccumulative potential** No further relevant information available.
· **12.4 Mobility in soil** No further relevant information available.
· **12.5 Results of PBT and vPvB assessment**
· **PBT:** No known significant effects or critical hazards.
· **vPvB:** No known significant effects or critical hazards.
· **12.6 Endocrine disrupting properties**
The product does not contain substances with endocrine disrupting properties.
· **12.7 Other adverse effects**
· **Remark:** Harmful to fish
· **Additional ecological information:**
· **General notes:**
Water hazard class 1 (German Regulation) (Assessment by list): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Harmful to aquatic organisms

SECTION 13: Disposal considerations

13.1Waste treatment methods
Recommendation
Canbe burned with household garbage after consulting with the waste disposal facility operator and thepertinent authorities and adhering to the necessary technical regulations.
Waste disposal key:
Determine wastes code in compliance with local waste management company according the European Waste Catalogue (EWC).

Uncleaned packaging:
Recommendation: Disposal must be made according to official regulations.
Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14: Transport information

· **14.1 UN number or ID number** · **ADR, ADN, IMDG, IATA**	Void
· **14.2 UN proper shipping name** · **ADR, ADN, IMDG, IATA**	Void
· **14.3 Transport hazard class(es)** · **ADR, ADN, IMDG, IATA** · **Class**	Void
· **14.4 Packing group** · **ADR, IMDG, IATA**	Void
· **14.5 Environmental hazards:** · **Marine pollutant:**	No
· **14.6 Special precautions for user**	Not applicable.
· **14.7 Maritime transport in bulk according to IMO instruments**	Not applicable.
· **UN "Model Regulation":**	Void

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SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
No further relevant information available.
REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3
DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II
Substance is not listed.
REGULATION (EU) 2019/1148
Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))
Substance is not listed.
Annex II - REPORTABLE EXPLOSIVES PRECURSORS Substance is not listed.
Regulation (EC) No 273/2004 on drug precursors Substance is not listed.
Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors
Substance is not listed.
15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Version number of previous version: 10
Abbreviations and acronyms:
ADR: Accordrelatif autransportinternationaldes marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative

Aquatic Chronic 3:Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

*** Data compared to the previous version altered.**