



# POLYSORBATE 60

## 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: POLYSORBATE 60

Issue date: 11/16/2021 Revision date: 11/27/2024 Supersedes version of: 11/16/2021 Version: 4.1

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

### 1.1. Product identifier

Product form : Substance  
Substance name : POLYSORBATE 60  
CAS-No. : 9005-67-8  
REACH registration No. : exempté polymer  
Product code : POLYSORBATE 60

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

#### Relevant identified uses

Use of the substance/mixture : Emulsifiant

### 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](mailto:qualite@interchimie.fr), [www.interchimie.fr](http://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

The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

CAS-No. : 9005-67-8

# POLYSORBATE 60

## 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

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Sorbitan monostearate, ethoxylated	CAS-No.: 9005-67-8 EC-No.: 500-020-4 REACH-no: EXEMPTED POLYMER	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. Get medical advice/attention if you feel unwell.
First-aid measures after inhalation	: If you feel unwell, seek medical advice. Allow affected person to breathe fresh air.
First-aid measures after skin contact	: Wash with soapy water.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth out with water. Do not induce vomiting. Get medical advice/attention.

#### 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	: Making extinguishing agents environment-friendly. Carbon dioxide. Dry powder. Foam.
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.
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	

#### 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	: Notify authorities if product enters sewers or public waters. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.
-------------------------	---

#### 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".

# POLYSORBATE 60

## 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

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- Precautions for safe handling : This product is not considered to be hazardous. Do not eat, drink or smoke when using this product.
- Hygiene measures : Always wash hands after handling the product.

#### 7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in dry protected location to prevent any moisture contact. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Information on mixed storage : Combustible liquid.

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available

#### 8.2. Exposure controls

##### Personal protection equipment

##### Eye and face protection

##### Eye protection:

Safety glasses. ISO 16321-1

##### Skin protection

##### Hand protection:

Nitrile rubber gloves

##### Other skin protection

##### Materials for protective clothing:

Protective clothing

##### Respiratory protection

##### Respiratory protection:

Wear suitable respiratory equipment in case of insufficient ventilation

##### Environmental exposure controls

##### Other information:

Do not eat, drink or smoke when using this product.

### SECTION 9: Physical and chemical properties

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

- Physical state : Solid
- Colour : Yellow.
- Appearance : Paste.
- Odour : characteristic.
- Odour threshold : Not available
- Melting point :  $\approx 15\text{ }^{\circ}\text{C}$
- Freezing point :  $\approx 15\text{ }^{\circ}\text{C}$
- Boiling point :  $> 200\text{ }^{\circ}\text{C}$
- Flammability : Not available
- Explosive properties : No dangerous reactions known.
- Lower explosion limit : Not applicable
- Upper explosion limit : Not applicable

# POLYSORBATE 60

## 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

Flash point	: > 100 °C
Auto-ignition temperature	: Not applicable
Decomposition temperature	: Not available
pH	: Not available
pH solution	: Not available
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: 400 mPa·s (30°C)
Solubility	: soluble in water. Soluble in oil.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Partition coefficient n-octanol/water (Log Pow)	: emulsifiant
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: Not available
Relative density	: ≈ 1.1
Relative vapour density at 20°C	: Not applicable
Particle size	: Not available

### 9.2. Other information

#### Other safety characteristics

VOC content	: 0 g/l
-------------	---------

## 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.

### 10.4. Conditions to avoid

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

### 10.5. Incompatible materials

Strong acids. Strong bases. Oxidizing agent. Reducing agent.

### 10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide. fume.

## 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

#### POLYSORBATE 60 (9005-67-8)

LD50 oral rat	> 2000 mg/kg
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

# POLYSORBATE 60

## 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

Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

### 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general	: Catégorie de pollution des eaux 1 (Classification propre) : Peu polluant.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

#### POLYSORBATE 60 (9005-67-8)

EC50 - Other aquatic organisms [1]	> 100 mg/l daphnie
------------------------------------	--------------------

### 12.2. Persistence and degradability

#### POLYSORBATE 60 (9005-67-8)

Persistence and degradability	Readily biodegradable.
Biodegradation	80 %

#### Sorbitan monostearate, ethoxylated (9005-67-8)

Persistence and degradability	Rapidly degradable
-------------------------------	--------------------

### 12.3. Bioaccumulative potential

#### POLYSORBATE 60 (9005-67-8)

Partition coefficient n-octanol/water (Log Pow)	emulsifiant
---	-------------

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

#### POLYSORBATE 60 (9005-67-8)

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	: The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.
--	--

### 12.7. Other adverse effects

No additional information available

# POLYSORBATE 60

## 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

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

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

### SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number or ID number</b>				
Not regulated for transport				
<b>14.2. UN proper shipping name</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
<b>14.3. Transport hazard class(es)</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
<b>14.4. Packing group</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
<b>14.5. Environmental hazards</b>				
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

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

Not listed on REACH Annex XIV (Authorisation List)

# POLYSORBATE 60

## 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

### 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 g/l

### 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

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

Indication of changes		
Section	Changed item	Comments
	Supersedes version of	Modified
	Revision date	Modified
	Issue date	Modified
2.3	PBT Comment	Removed
4.1	First-aid measures general	Modified
4.1	First-aid measures after eye contact	Modified
4.3	Other medical advice or treatment	Removed
5.1	Suitable extinguishing media	Modified
6.3	Methods for cleaning up	Modified
7.2	Storage conditions	Added
8.2	Respiratory protection	Modified
9	VOC content	Added
9	Flash point	Added
9	Freezing point	Added
9	Appearance	Added
9	Boiling point	Added
9	Viscosity, dynamic	Modified

# POLYSORBATE 60

## 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

Indication of changes		
Section	Changed item	Comments
9	Solubility	Modified
9	Relative density	Modified
9	pH solution	Removed
9	Melting point	Modified
9.1	Physical state	Modified
10.4	Conditions to avoid	Added
10.5	Incompatible materials	Added
12.1	EC50 - Other aquatic organisms [1]	Added
12.2	Biodegradation	Added
12.2	Persistence and degradability	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