

# Safety Data Sheet

## Polysorbate 80

July 31, 2019

### Section 1: Chemical Product and Company Identification

**Product name:** Polysorbate 80  
**Contact Info:** YouWish  
Vergulden Wagen 13 1111TD 13 Diemen  
  
www.youwish.nl

**Emergency Phone Number:** 1-877-627-7883

Within USA & Canada: 1.800.424.9300 CCN693143  
Outside USA & Canada: +1.703.527.3887 (collect calls accepted)  
CHEMTREC 1-800-424-9300

### Section 2: Hazards Identification

#### GHS Classification

Not a hazardous substance or mixture according to US Regulation 29 CFR 1910.1200 (HazCom2012)

#### GHS Label element

Not a hazardous substance or mixture according to US Regulation 29 CFR 1910.1200 (HazCom212). Based on available data, the classification criteria are not met. Handle in accordance with good industrial hygiene and safety practice.

Precautionary statements:

#### Prevention:

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P262 Do not get in eyes, on skin, or on clothing.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P270 Do not eat, drink or smoke when using this product.

#### Response:

P314 Get medical advice/attention if you feel unwell

#### Storage:

P410 + P403 Protect from sunlight. Store in a well-ventilated place.  
P402 + P404 Store in a dry place. Store in a closed container.

#### Disposal:

P501 Dispose of contents/container in accordance with local regulation.

#### Other hazards

None known.

### Section 3: Composition/Information on Ingredients

Substance / Mixture : Substance

#### Hazardous components

Chemical Name	CAS-No.	Concentration (%)
Sorbitan monooleate ethoxylated	9005-65-6	95.00
Polyethylene glycol monooleate	9004-96-0	1.00
Water	7732-18-5	3.00

### Section 4: First Aid Measures

If inhaled: : No special precautions required.

In case of skin contact : Wash with water and soap as a precaution.  
If skin irritation persists, call a physician.

In case of eye contact : Immediately flush eye(s) with plenty of water.  
If eye irritation persists, consult a specialist.

If swallowed : Immediately give large quantities of water to drink.  
Do not induce vomiting without medical advice.  
Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed : No information available.

Notes to physician : No information available.

### Section 5: Fire-Fighting Measures

Suitable extinguishing media : Water spray  
Dry powder  
Foam

Specific hazards during firefighting : Heating or fire can release toxic gas.

Further information : Use water spray to cool unopened containers.

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus

### Section 6: Accidental Release Measures

Personal precautions, protective : Use personal protective equipment  
Equipment and emergency procedures

Environmental precautions		
General advice	:	Prevent product from entering drains
Methods and materials for Containment and cleaning up	:	Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations (see section 13).

## Section 7: Handling and Storage

Advice on safe handling	:	No special precautions required
Conditions for safe storage	:	Keep container tightly closed. To maintain product quality, do not store in heat or direct sunlight. Keep in a dry, cool and well-ventilated place.

## Section 8: Exposure Controls/Personal Protection

### Components with workplace control parameters

Contains no substances with occupational exposure limit values

### Appropriate engineering controls

### Personal protective equipment

Respiratory protection	:	No personal respiratory protective equipment normally required
Hand protection	:	Wear suitable gloves. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).
Remarks		
Eye protection	:	Tightly fitting safety goggles
Skin and body protection	:	Choose body protection according to the amount and concentration of the dangerous substance at the work place. No special protective equipment required.
Hygiene measures	:	Handle in accordance with good industrial hygiene and safety practice.

## Section 9: Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

**Appearance:** Liquid

**Odor:** Mild

**Odor Threshold:** No data available

**pH:** 6.5, Concentration: 50 g/l(as aqueous solution)

**Melting point/range:** No data available

**Boiling point/boiling range:** No data available

**Flashpoint:** 280°C

Method: DIN 51376, open cup

**Evaporation rate:** No data available

**Upper explosion limit:** No data available

**Lower explosion limit:** No data available

**Vapor Pressure:** No data available

**Relative vapor density:** No data available

**Relative density:** No data available

**Density:** 1.080 g/cm<sup>3</sup> (25°C)

**Solubility(ies)**

**Water solubility:** soluble

**Partition coefficient: n-octanol/water:** No data available

**Auto-ignition temperature:** No data available

**Decomposition temperature:** No data available

**Viscosity**

**Viscosity, dynamic:** 425 mPa.s

**Viscosity, kinematic:** No data available

## Section 10: Stability and Reactivity

Possibility of hazardous reactions	:	Hazardous polymerization does not occur. Stable under normal conditions.
Conditions to avoid	:	No data available
Incompatible materials	:	Strong acids Strong oxidizing agents Strong bases
Hazardous decomposition products	:	Carbon oxides Heating or fire can release toxic gas.

## Section 11: Toxicological Information

Information on likely routes of exposure	:	Eyes Skin Inhalation Ingestion
<b>Acute toxicity</b>		
Acute oral toxicity (LD50)	:	>5,000 mg/kg Species: Rat
<b>Skin corrosion/irritation</b>		
Skin irritation	:	non irritant Species: Humans non irritant Species: Rabbit Assessment: No skin irritation

**Serious eye damage/eye irritation**

Eye irritation : non irritant  
Species: Rabbit  
Method: Draize Test

**Respiratory or skin sensitization**

Sensitization : Test Type: Buehler Test  
Species: Guinea pig  
Result: not sensitizing

**Further information**

Remarks: Information given is based on data on the components and the toxicology of similar products. No data is available on the product itself.

## Section 12: Ecological Information

**Ecotoxicity**

Toxicity to fish : Remarks: no data available

**Persistence and degradability**

Biodegradability : Remarks: no data available

**Bioaccumulative potential**

Bioaccumulation : Remarks: no data available

**Mobility in soil**

Distribution among environmental compartments : Remarks: no data available

**Other adverse effects**

Results of PBT and vPvB assessment : This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

Additional ecological information : There is no data available for this product

## Section 13: Disposal Conditions

**Disposal methods**

Waste from residues : Dispose of in accordance with local regulations.  
Contact waste disposal services.

## Section 14: Transport Information

Regulator	Class	Pack Group	Environmental Hazards	UN-nr.	Proper Shipping Name
<b>IATA</b> Not dangerous goods	Not applicable	Not applicable	No	Not applicable	Not applicable
<b>IMDG</b> Not dangerous goods	Not applicable	Not applicable	Marine pollutant: No	Not applicable	Not applicable
<b>ADR</b> Not dangerous goods	Not applicable	Not applicable	No	Not applicable	Not applicable
<b>RID</b> Not dangerous goods	Not applicable	Not applicable	No	Not applicable	Not applicable
<b>DOT</b> Not dangerous goods	Not applicable	Not applicable	No	Not applicable	Not applicable
<b>TDG</b> Not dangerous goods <b>Special precautions for user:</b> None <b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:</b> Not applicable	Not applicable	Not applicable	No	Not applicable	Not applicable

## Section 15: Regulatory Information

**WHMIS Classification** : Not a controlled Product

**EPCRA – Emergency Planning and Community Right-to-Know Act**

**SARA 311/312 Hazards** : No SARA Hazards

**SARA 302**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313**

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313

**US State Regulations**

**Massachusetts Right To Know**

No components are subject to the Massachusetts Right to Know Act

**Pennsylvania Right To Know**

No components are subject to the Pennsylvania Right to Know Act

**New Jersey Right To Know**

No components are subject to the New Jersey Right to Know Act

**The components of this product are reported in the following inventories**

**TSCA** : All components of this product are currently listed on the EPA TSCA 8(b) inventory list or are incidental byproducts.

ENLP : Product is listed as polymer in the EU (NLP).

**Inventories**

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZioC (New Zealand), PICCS (Philippines), TSCA (USA)

**Section 16: Other Information**

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