

**Polysorbate 85**

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**1. Identification of the substance/mixture and the company**

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**1.1. Product identifier**

Product name : Polysorbate 85  
Chemical Name : Polyoxyethylene sorbitan trioleate  
CAS No. : 9005-70-3

**1.2. Relevant identified uses of the substance /mixture**

Use of the substance/mixture : Emulsifier

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

Level 7 Chemical  
255 Sturgis Rd  
Conway, AR 72034  
(855) 927-1777

**1.4 Emergency telephone number**

Emergency number : CHEMTREC (800) 424-9300

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**2. Hazards identification**

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**2.1 Classification of the substance or mixture**

**GHS-US classification**  
Not classified

**2.2. Label elements**

**GHS-US labeling**  
No labeling applicable

**2.3. Other hazards**  
No additional information available

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**3. Composition/information on ingredients**

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**3.1. Substance**  
This product is a substance

| Name                              | CAS No.   | %    | GHS-US Classification |
|-----------------------------------|-----------|------|-----------------------|
| Poloxyethylene sorbitan trioleate | 9005-70-3 | > 99 | Not classified        |

## Polysorbate 85

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### 4. First aid measures

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#### 4.1 Description of first aid measures

|                                 |  |
|---------------------------------|--|
| First aid after inhalation:     | If breathing is difficult, transport victim to fresh air. If irritation occurs, consult a doctor   |
| First aid after skin contact:   | Wash thoroughly with soap and water.   |
| First aid after eye contact:    | Immediately wash eyes with plenty of water for at least 15 minutes. If possible, remove contact lenses, if used. Consult a doctor immediately. |
| First aid in case of ingestion: | Rinse mouth. Do NOT induce vomiting.   |

#### 4.2 Main symptoms and effect, both acute and delayed

None expected

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

In the presence of burns, treat as thermal burns after decontamination. No specific antidote. The treatment in the event of exposure should be aimed at controlling the symptoms and the clinical condition of the patient.

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### 5. Firefighting measures

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#### 5.1 Extinguishing media

|                                 |   |
|---------------------------------|---|
| Suitable extinguishing media:   | Water spray, dry chemical, foam, carbon dioxide |
| Unsuitable extinguishing media: | None known                                      |

#### 5.2 Special hazards arising from the substance or mixture

Reactivity: No dangerous reaction known under conditions of normal use.

#### 5.3 Advice for firefighters

Protection during firefighting: Keep upwind of the fire. Wear protective clothing and respiratory protection (SCBA). Use water spray to cool exposed containers.

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### 6. Accidental release measures

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#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

Protective equipment: Use personal protection recommended in section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

##### 6.1.2. For emergency responders

Protective equipment: Equip the employees with adequate personal protection.

#### 6.2. Environmental precautions

Do not disperse in the environment. Inform authorities if the material is fed into the public sewage system or in public waters.

#### 6.3. Methods and materials for containment and cleaning up

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**Polysorbate 85**

Contain spilled material if possible. Absorb with materials such as: Dirt. Sand. Sawdust. Collect in suitable and properly labeled containers. Wash the spill site with water. See Section 13, Disposal Considerations, for additional information.

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**7. Handling and storage**

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**7.1 Precautions for safe handling**

Recommendations for safe handling: Wash hands and other exposed areas with mild soap and water before eating, drinking, smoking and when leaving the work place. Ensure good ventilation in the work area to prevent the formation of vapors. Do not use before you have read and understood all warnings.

**7.2 Conditions for safe storage, including any incompatibilities**

Storage conditions: Store in the original container in a cool, well ventilated area. Keep container closed when not in use.  
Incompatible materials: Strong oxidizing agents  
Place of storage: Protect from heat

**7.3 Specific end use(s)**

Emulsifier, surfactant

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**8. Exposure controls/personal protection**

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**8.1 Control parameters**

Exposure limits  
No exposure limits established for components of this product.

**8.2 Exposure controls**

Personal protection: Avoid all unnecessary exposure  
Hand protection: Protective gloves made of rubber or PVC  
Eye protection: Safety glasses or goggles are recommended when using this product.  
Skin and body protection: None necessary under normal conditions of use  
Respiratory protection: None necessary under normal conditions of use.

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**9. Physical and chemical properties**

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**9.1 Information on basic physical and chemical properties**

Physical state: Liquid  
Appearance: Clear  
Color: Amber  
Odor: Mild  
Odor threshold: No data available  
pH: 6  
Melting point/freezing point: No data available  
Initial boiling point: > 100°C

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**Polysorbate 85**

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|   |                    |
|---|--------------------|
| Boiling range:                                | Not determined     |
| Flash point:                                  | > 200°C            |
| Evaporation rate (Butyl Acetate=1):           | < 1                |
| Flammability (solid, gas):                    | No data available  |
| Upper/lower flammability or explosive limits: | No data available  |
| Vapor pressure:                               | No data available. |
| Vapor density at 20°C:                        | No data available. |
| Relative density @ 25°C:                      | 1.0                |
| Solubility:                                   | Dispersible        |
| Log Pow:                                      | No data available  |
| Log Kow                                       | No data available  |
| Auto-ignition temperature:                    | No data available  |
| Decomposition temperature:                    | No data available  |
| Dynamic viscosity:                            | 500 cps (25°C)     |

**9.2 Other information**

No further information is available

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**10. Stability and reactivity**

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**10.1 Reactivity**

No dangerous reaction known under conditions of normal use.

**10.2 Chemical stability**

Stable under recommended storage conditions. See Storage, Section 7.

**10.3 Possibility of hazardous reactions**

Polymerization will not occur by itself.

**10.4 Conditions to avoid**

Heat, incompatible substances

**10.5 Incompatible materials**

Strong acids, oxidizing materials, strong bases

**10.6 Hazardous decomposition products**

Decomposition products can include and are not limited to: oxides of carbon, oxides of silicon

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**11. Toxicological information**

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**11.1 Information on toxicological effects**

**Acute toxicity:** Not classified

|  |   |
|--|---|
| Skin corrosion/irritation:             | Based on the available data, the classification criteria are not met. |
| Eye damage/eye irritation:             | Based on the available data, the classification criteria are not met. |
| Sensitization of skin or respirations: | Based on the available data, the classification criteria are not met. |
| Mutagenicity of germ cells:            | Based on the available data, the classification criteria are not met. |
| Carcinogenicity:                       | Based on the available data, the classification criteria are not met. |

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**Polysorbate 85**

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|  |   |
|--|---|
| Reproductive toxicity:                                 | Based on the available data, the classification criteria are not met. |
| Specific target organ toxicity<br>(single exposure):   | Based on the available data, the classification criteria are not met. |
| Specific target organ toxicity<br>(repeated exposure): | Based on the available data, the classification criteria are not met. |
| Symptoms after ingestion:                              | Based on the available data, the classification criteria are not met. |

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**12. Ecological information**

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**12.1 Ecotoxicity (aquatic and terrestrial, where available)**

Not established

**12.2 Persistence and degradability**

No data available

**12.3 Bioaccumulative potential**

No data available

**12.4 Mobility in soil**

No data available

**12.5 Other adverse effects**

No additional information available

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**13. Disposal considerations**

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**13.1. Waste treatment method**

Waste disposal recommendations: Dispose of in accordance with all federal, provincial, state, and local regulations.

Ecology – waste materials: Avoid release to the environment

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**14 Transport information**

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In accordance with DOT / ADR / RID / ADNR / IMDG / ICAO / IATA

**14.1. UN number**

Not applicable

**14.2. UN proper shipping name**

Proper shipping name: NOT REGULATED

**14.3 Additional information**

No additional information available

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**15. Regulatory information**

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**15.1. US Federal Regulations**

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## Polysorbate 85


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Contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200. (HazCom 2012)


TSCA Status: All chemical substances found in this product comply with the Toxic Substances Control Act inventory reporting requirements.

### 15.2. US State Regulations

#### California:

 **WARNING!** This product can expose you to a chemicals known to the State of California to cause cancer.

Ethylene Oxide (75-21-8)  
1, 4-Dioxane (123-91-1)

 **WARNING!** This product can expose you to a chemical known to the State of California to cause birth defects or other reproductive harm.

Ethylene Oxide (75-21-8)

For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

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## 16. Other information

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### Hazard statement in the composition section

The supplier urges each customer or recipient of this SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product. Due to the proliferation of sources for information such as manufacturer-specific SDSs, we are not and cannot be responsible for SDSs obtained from any source other than ourselves. If you have obtained a SDS from another source or if you are not sure that the SDS you have is current, please contact us for the most current version.

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