
1. Identification of the substance/mixture and the company

1.1. Product identifier

Chemical Name : Polysorbate 20
CAS No. : 9005-64-5

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

2. Hazards identification

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

3. Composition/information on ingredients

3.1. Substance
This product is a substance

Name	CAS No.	%	GHS-US Classification
Poloxyethylene 20 sorbitan monolaurate	9005-64-5	> 99.0	Not classified

4. First aid measures

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.

5. Firefighting measures

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.

6. Accidental release measures

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

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.

7. Handling and storage

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

8. Exposure controls/personal protection

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.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	Liquid
Appearance:	Opaque
Color:	Yellow
Odor:	Mild
Odor threshold:	No data available
pH:	6.5
Melting point/freezing point:	No data available
Initial boiling point:	> 100°C

Boiling range:	Not determined
Flash point:	> 100°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:	1.10
Solubility:	Soluble
Log Pow:	No data available
Log Kow	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Dynamic viscosity:	400 cps (25°C)

9.2 Other information

No further information is available

10. Stability and reactivity**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

11. Toxicological information**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.

Reproductive toxicity:	Based on the available data, the classification criteria are not met.
Specific target organ toxicity (single exposure):	Based on the available data, the classification criteria are not met.
Specific target organ toxicity (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.

12. Ecological information

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

13. Disposal considerations

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

14 Transport information

In accordance with 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

15. Regulatory information

15.1. US Federal Regulations

Polysorbate 20

Safety Data Sheet
Revision Date: April 17, 2015

Version: 1.1
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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:

This product contains no chemicals listed by the state of California under Proposition 65.

16. Other information

Hazard statement in the composition section

Level 7 Chemical 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.