

## Section 1: Identification

<b>Common Name/Trade Name</b>	POLYSORBATE 80 NF	
<b>Supplier Information</b>	Letco Medical, LLC 1316 Commerce Drive NW Decatur, AL 35601 1 (800) 239-5288 +1 (734) 843-4693	<b>IN CASE OF EMERGENCY:</b> Chemtrec 1 (800) 424-9300 (24 hours)
<b>Product Synonym(s)</b>	N/A	
<b>Relevant Use(s) of Product</b>	Manufacture or Compounding of Substances	

## Section 2: Hazards Identification

<b>Classification of Substance or Mixture</b>	No need for classification according to GHS criteria for this product.
<b>Signal Word</b>	None
<b>Hazard Statement(s)</b>	N/A
<b>Pictogram(s)</b>	N/A
<b>Precautionary Statement(s)</b>	N/A
<b>Hazards Not Otherwise Classified</b>	The following percentage of the mixture consists of components(s) with unknown hazards regarding the acute toxicity: 100 % dermal
<b>Ingredient(s) with Unknown Toxicity</b>	The following percentage of the mixture consists of components(s) with unknown hazards regarding the acute toxicity: 100 % dermal Emergency overview CAUTION: MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION. INGESTION MAY CAUSE GASTRIC DISTURBANCES. Use with local exhaust ventilation. Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator. Wear protective clothing. Wear NIOSH-certified chemical goggles. Wear chemical resistant protective gloves. Eye wash fountains and safety showers must be easily accessible.

## Section 3: Composition/Information on Ingredients

<b>Chemical Name</b>	N/A
<b>Common Name</b>	Polysorbate 80
<b>CAS Number</b>	9005-65-6
<b>Impurities and/or Stabilizing Additives</b>	No data available

## Section 4: First Aid Measures

<b>General Advice</b>	Remove contaminated clothing.
<b>If Inhaled</b>	Remove the affected individual into fresh air and keep the person calm. Seek medical attention.
<b>In Case of Skin Contact</b>	Wash thoroughly with soap and water. If irritation develops, seek medical attention.
<b>In Case of Eye Contact</b>	Wash affected eyes for at least 15 minutes under running water with eyelids held open. Seek medical attention.
<b>If Swallowed</b>	Rinse mouth and then drink plenty of water. Do not induce vomiting. Immediate medical attention required.
<b>Most Important Symptoms and Effects</b>	Symptoms: No significant symptoms are expected due to the non-classification of the product.

## Section 5: Fire Fighting Measures

<b>Suitable Extinguishing Media</b>	Suitable extinguishing media: water spray, dry powder, foam
<b>Special Hazards Arising From the Substance/Mixture</b>	Hazards during fire-fighting: harmful vapours Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire
<b>Special PPE and/or Precautions for Firefighters</b>	Protective equipment for fire-fighting: Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

## Section 6: Accidental Release Measures

<b>Personal Precautions, Protective Equipment and Emergency Procedures</b>	Use personal protective clothing. Information regarding personal protective measures see, section 8. Further accidental release measures: High risk of slipping due to leakage/spillage of product.
<b>Methods and Materials Used for Containment</b>	Do not discharge into drains/surface waters/groundwater. For small amounts: Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder). Dispose of absorbed material in accordance with regulations. For large amounts: Pump off product. Place absorbed material in the same container as the spilled substance/product for disposal.
<b>Cleanup Procedures</b>	For small amounts: Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder). Dispose of absorbed material in accordance with regulations. For large amounts: Pump off product. Place absorbed material in the same container as the spilled substance/product for disposal.

## Section 7: Handling and Storage

<b>Precautions for Safe Handling</b>	Segregate from acids and bases. Segregate from strong oxidizing agents.
<b>Conditions for Safe Storage</b>	Keep container tightly closed and dry; store in a cool place.

## Section 8: Exposure Controls/Personal Protection

<b>Components with Workplace Control Parameters</b>	No data available
<b>Appropriate Engineering Controls</b>	Provide adequate exhaust ventilation to control work place concentrations. General safety and hygiene measures: Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Take off immediately all contaminated clothing. Handle in accordance with good industrial hygiene and safety practice
<b>PPE - Eye/Face Protection</b>	Safety glasses with side-shields.
<b>PPE - Skin Protection</b>	Chemical resistant protective gloves Consult with glove manufacturer for testing data.
<b>PPE - Body Protection</b>	Body protection must be chosen depending on activity and possible exposure, e.g. head protection, apron, protective boots, chemical-protection suit.
<b>PPE - Respiratory Protection</b>	Wear respiratory protection if ventilation is inadequate. Breathing protection if breathable aerosols/dust are formed.

## Section 9: Physical and Chemical Properties

<b>Appearance</b>	Form: Liquid Color: yellow
<b>Upper/Lower Flammability or Explosive Limits</b>	No data available
<b>Odor</b>	mild
<b>Vapor Pressure</b>	< 0.35 mmHg ( 20 °C)
<b>Odor Threshold</b>	No data available
<b>Vapor Density</b>	No data available
<b>pH</b>	7
<b>Relative Density</b>	No data available
<b>Melting Point/Freezing Point</b>	No data available
<b>Solubility</b>	Solubility in water: ( 25 °C) fully soluble
<b>Initial Boiling Point and Boiling Range</b>	> 268 °C
<b>Flash Point</b>	> 100 °C
<b>Evaporation Rate</b>	No data available
<b>Flammability (Solid, Gas)</b>	No data available
<b>Partition Coefficient</b>	0.7 (calculated)
<b>Auto-Ignition Temperature</b>	No data available
<b>Decomposition Temperature</b>	No data available
<b>Viscosity</b>	No data available

## Section 10: Stability and Reactivity

<b>Reactivity</b>	Corrosion to metals: Corrosive effects to metal are not anticipated.
<b>Chemical Stability</b>	The product is stable if stored and handled as prescribed/indicated.
<b>Possibility of Hazardous Reactions</b>	No hazardous reactions when stored and handled according to instructions. The product is chemically stable.
<b>Conditions to Avoid</b>	See MSDS section 7 - Handling and storage.
<b>Incompatible Materials</b>	Strong oxidizing agents.
<b>Hazardous Decomposition Products</b>	Hazardous decomposition products: No hazardous decomposition products known.

## Section 11: Toxicological Information

<b>Acute Toxicity - LD50 Oral</b>	Type of value: LD50 Species: rat Value: > 5,000 mg/kg
<b>Acute Toxicity - Inhalation</b>	No data available
<b>Acute Toxicity - Dermal</b>	Type of value: ATE Value: > 5,000 mg/kg Skin Species: rabbit Result: non-irritant Method: Draize test
<b>Acute Toxicity - Eye</b>	Species: rabbit Result: non-irritant Method: Draize test
<b>Skin Corrosion/Irritation</b>	No data available
<b>Serious Eye Damage/Irritation</b>	No data available
<b>Respiratory or Skin Sensitization</b>	No data available
<b>Germ Cell Mutagenicity</b>	No data available
<b>Carcinogenicity IARC</b>	No data available
<b>Carcinogenicity ACGIH</b>	No data available
<b>Carcinogenicity NTP</b>	No data available
<b>Carcinogenicity OSHA</b>	No data available
<b>Reproductive Toxicity</b>	No data available
<b>Specific Target Organ Toxicity - Single Exposure</b>	No data available
<b>Specific Target Organ Toxicity - Repeated Exposure</b>	No data available
<b>Aspiration Hazard</b>	No data available

## Section 12: Ecological Information

<b>Toxicity</b>	Toxicity to fish LC50 (96 h) > 100 mg/l, Leuciscus idus (DIN 38412 Part 15)
<b>Persistence and Degradability</b>	Assessment biodegradation and elimination (H2O) Not readily biodegradable (by OECD criteria). Moderately/partially biodegradable
<b>Bio-accumulative Potential</b>	No data available
<b>Mobility in Soil</b>	No data available
<b>Other Adverse Effects</b>	No data available

## Section 13: Disposal Considerations

<b>Waste Treatment Methods Product</b>	Dispose of in accordance with national, state and local regulations. It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA.
<b>Waste Treatment Methods Packaging</b>	Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.
<b>Special Precautions Landfill or Incinerations</b>	No data available
<b>Other Information</b>	No data available

## Section 14: Transport Information

<b>UN Number</b>	Not dangerous goods.
<b>UN Proper Shipping Name</b>	N/A
<b>Transport Hazard Class(es)</b>	N/A
<b>Packaging Group</b>	N/A
<b>Environmental Hazards</b>	N/A

## Section 15: Regulatory Information

Federal Regulations Registration status: Chemical TSCA, US released / listed Cosmetic TSCA, US released / exempt EPCRA 311/312 (Hazard categories): Not hazardous; State regulations CA Prop. 65: THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM. HMIS III rating Health: 1 Flammability: 1 Physical hazard:0

## Section 16: Other Information

<b>Additional Information</b>	N/A
<b>Prepared By</b>	Lisa Russell
<b>Revision Date</b>	01/10/2019 11:49

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