



**Cosmetic  
Supplies  
USA, Inc.**

# Material Safety Data Sheet

8810 Commodity Cir #20  
Orlando, FL 32819-9066  
877-926-7872 phone • 877-926-8742 fax

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## POLYSORBATE 20

Catalog Number: 1547925      Package Size: 2 g      Revision Date: January 12, 2004

EMERGENCY OVERVIEW - Irritant.

### SECTION 1 - IDENTIFICATION

Common Name: Polysorbate 20      Formula: C58H114O26 (approximate)  
 Synonym: n/f  
 Chemical Name: Sorbitan, monododecanoate, polyoxy-1,2-ethanediyl) derivs.  
 CAS Number: 9005-64-5      RTECS Number: TR7400000  
 Chemical Family: Ester  
 Therapeutic Category: Pharmaceutical aid (surfactant)

### SECTION 2 - INGREDIENT INFORMATION

Principle Components	Percent	Exposure Limits
Polysorbate 20	Pure Material	n/f

### SECTION 3 - HEALTH HAZARD INFORMATION

Usual Adult Dose: n/f  
 Adverse Effects: Possible allergic reaction to material if inhaled, ingested or in contact with skin.  
 Overdose Effects: Large doses may cause diarrhea and abdominal spasms.  
 Acute: Possible eye, skin, gastrointestinal and/or respiratory tract irritation.  
 Chronic: Possible hypersensitization.  
 Inhalation: May cause irritation. Remove to fresh air.

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**Eye:** May cause irritation. Flush with copious quantities of water.

**Skin:** Causes irritation. Avoid contact. Flush with copious quantities of soap and water.

**Ingestion:** May cause irritation. Flush out mouth with water.

**Medical Conditions Aggravated by Exposure:** Hypersensitivity to material.

**Cross Sensitivity:** n/f

**Pregnancy Comments:** n/f

**Pregnancy Category:** n/f

## SECTION 4 - FIRST AID MEASURES

**General:** Remove from exposure. Remove contaminated clothing. Persons developing serious hypersensitivity (anaphylactic) reactions must receive immediate medical attention. If person is not breathing give artificial respiration. If breathing is difficult give oxygen. Obtain medical attention.

**Overdose Treatment:** n/f

## SECTION 5 - TOXICOLOGICAL INFORMATION

**Oral Rat:** LD50: 36700 microliters/kg

**Oral Mouse:** LD50: n/f

**Irritancy Data:** RTECS - Human/skin: mild

**Target Organ(s):** n/f

**Listed as a Carcinogen?** NTP: No IARC: No OSHA: No

**Other:** No

## SECTION 6 - FIREFIGHTING MEASURES

**Flash Point:** 148° C (CC)

**Upper Flammable Limit:** n/f

**Auto-Ignition Temperature:** n/f

**Lower Flammable Limit:** n/f

**Extinguisher Media:** Water spray, dry chemical, carbon dioxide or foam as appropriate for surrounding fire and materials.

**Fire and Explosion Hazards:** This material is assumed to be combustible.

**Firefighting Procedures:** As with all fires, evacuate personnel to a safe area. Firefighters should use self-contained breathing equipment and protective clothing.

## SECTION 7 - PHYSICAL HAZARDS

**Conditions to Avoid:** Avoid exposure to light.

**Incompatibilities:** Strong oxidizers and acids.

**Decomposition Products:** When heated to decomposition material emits toxic fumes. Emits toxic fumes under fire conditions.

**Stable?** Yes **Hazardous Polymerization?** No

## SECTION 8 - HANDLING / SPILL / DISPOSAL MEASURES

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- Handling:** As a general rule, when handling USP Reference Standards avoid all contact and inhalation of dust, mists, and/or vapors associated with the material. Wash thoroughly after handling.
- Storage:** Store in tight, light-resistant container as defined in the USP-NF. This material should be handled and stored per label instructions to ensure product integrity.
- Spill Response:** Wear approved respiratory protection, chemically compatible gloves and protective clothing. Wipe up spillage or collect spillage using a high efficiency vacuum cleaner. Avoid breathing vapors. Place spillage in appropriately labelled container for disposal. Wash spill site.
- Disposal:** Dispose of waste in accordance with all applicable Federal, State and local laws.

## SECTION 9 - EXPOSURE CONTROLS / PERSONAL PROTECTION

- Respiratory Protection:** When working with small quantities in a well-ventilated area, respiratory protection may not be required.
- Ventilation:** No special ventilation requirements.
- Gloves:** Rubber
- Eye Protection:** Safety Glasses
- Protective Clothing:** Protect exposed skin.

## SECTION 10 - PHYSICAL AND CHEMICAL PROPERTIES

**NOTE:** The data reported below is general information, and is not specific to the USP Reference Standard Lot provided!

- Appearance and Odor:** Lemon to amber liquid; faint odor.
- Melting Point:** n/f
- Solubility in Water:** Soluble
- Boiling Point:** >100° C
- Specific Gravity:** 1.11
- Vapor Pressure:** <1.0 @ 20° C
- Vapor Density:** n/f
- Evaporation Rate:** n/f
- Reactivity in Water:** n/f
- % Volatile by Volume:** n/f