



Material Safety Data Sheet (MSDS)

Product Name: Span 80 Commercial Grade

MSDS Generate Date: 20-05-2017

Revision Date: 30-12-2024

Supplier:

Rawpharma Biz Pvt Ltd

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1. Identification of the Substance/Preparation and Company

Product Name: Span 80 Commercial Grade

Synonyms: Sorbitan Monooleate, Sorbitan Oleate

Recommended Use: Emulsifier, dispersant, surfactant in pharmaceuticals, cosmetics, food, and industrial formulations.

2. Hazard Identification

Classification (GHS): Not classified as hazardous under GHS.

Label Elements:

- **Pictogram:** None
- **Signal Word:** None
- **Hazard Statements:** May cause mild skin and eye irritation.
- **Precautionary Statements:** Avoid contact with eyes, skin, and clothing. Use in well-ventilated areas. Wash hands thoroughly after handling.

3. Composition / Information on Ingredients

This product consists primarily of **Sorbitan Monooleate (CAS No. 1338-43-8)** with a purity of **not less than 99%**. It does not contain any hazardous additives or impurities relevant to classification.

4. First Aid Measures

- **Inhalation:** Move to fresh air. If symptoms persist, seek medical attention.
 - **Skin Contact:** Wash thoroughly with soap and water. Seek medical advice if irritation develops.
 - **Eye Contact:** Rinse immediately with plenty of water for 15 minutes. Get medical help if irritation continues.
 - **Ingestion:** Rinse mouth and drink water. Do not induce vomiting. Seek medical advice if discomfort persists.
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5. Fire Fighting Measures

- **Suitable Extinguishing Media:** Foam, dry chemical, CO₂, or water spray.
 - **Unsuitable Media:** High-pressure water jets.
 - **Special Hazards:** Combustion may produce carbon oxides.
 - **Protective Equipment:** Firefighters should wear self-contained breathing apparatus and full protective clothing.
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6. Accidental Release Measures

- **Personal Precautions:** Use protective gloves and goggles.
 - **Environmental Precautions:** Avoid discharge into drains or waterways.
 - **Methods for Cleaning Up:** Absorb with inert material (sand, earth), then collect for disposal.
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7. Handling and Storage

- **Handling:** Avoid contact with skin and eyes. Use in well-ventilated areas.

- **Storage:** Store in tightly closed containers in a cool, dry place away from heat and direct sunlight.
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8. Exposure Controls / Personal Protection

- **Exposure Limits:** Not established.
 - **Engineering Controls:** Provide adequate ventilation.
 - **Personal Protective Equipment (PPE):**
 - **Respiratory Protection:** Not normally required.
 - **Hand Protection:** Protective gloves.
 - **Eye Protection:** Safety goggles.
 - **Skin Protection:** Protective clothing.
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9. Physical and Chemical Properties

Span 80 Commercial Grade appears as an amber to yellow viscous liquid with a mild characteristic odor. It is insoluble in water but soluble in oils and alcohols. It has a specific gravity of about 0.98 to 1.01 at 25°C, a boiling point greater than 200°C, and a flash point above 150°C (COC). The viscosity is typically 300–400 cP at 25°C, the pH is neutral, and the melting point is approximately 10°C.

10. Stability and Reactivity

- **Stability:** Stable under normal conditions.
 - **Conditions to Avoid:** Excessive heat, open flame.
 - **Incompatible Materials:** Strong oxidizing agents.
 - **Hazardous Decomposition Products:** Carbon oxides (CO, CO₂).
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11. Toxicological Information

- **Acute Toxicity:** LD₅₀ (Oral, Rat) > 40,000 mg/kg (non-toxic).
- **Skin Irritation:** Mild irritant.

- **Eye Irritation:** May cause mild transient irritation.
 - **Chronic Effects:** None known.
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12. Ecological Information

- **Ecotoxicity:** Low toxicity to aquatic organisms.
 - **Biodegradability:** Readily biodegradable.
 - **Bioaccumulation:** Not expected to bioaccumulate.
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13. Disposal Considerations

- **Waste Disposal Method:** Dispose of in accordance with local regulations.
 - **Contaminated Packaging:** Rinse and recycle or dispose safely.
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14. Transport Information (Detailed)

UN Number: Not applicable (non-hazardous)

Proper Shipping Name: Span 80 (Sorbitan Monooleate)

Transport Hazard Class: Not classified as hazardous for transport.

Packing Group: Not applicable

Label: None required

Marine Pollutant: No

Special Precautions: Avoid leakage or spillage during transport.

Transport Regulations:

- **ADR/RID (Road/Rail):** Not regulated.
- **IMDG (Sea):** Not regulated; not a marine pollutant.
- **IATA (Air):** Not regulated; can be transported as non-hazardous cargo.

Additional Notes:

Product is stable under transport conditions. Containers should be tightly sealed and protected from physical damage and moisture. Avoid storing near oxidizing materials.

15. Regulatory Information

- **Classification:** Non-hazardous substance.
- **Regulations:** Complies with REACH and FDA (Food Grade Applications).
- **Labeling Requirements:** None under normal usage.

16. Other Information

Disclaimer: The information provided above is based on our current knowledge and experience. It is intended to describe the product in terms of safety requirements and should not be considered as guaranteeing specific properties.

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