



MATERIAL SAFETY DATA SHEET (MSDS)

1. PRODUCT NAME AND COMPANY IDENTIFICATION

Product Name:

- **Polysorbate 20**
- **Synonyms:** Tween 20, Polyoxyethylene sorbitan monolaurate

Manufacturer/Supplier:

Swadesh (India) Chemical Pvt. Ltd.

Address:

Survey No: 512, Plot No. 7,
Shri Hari Industrial Park,
Kadadra Village, Near ZAK GIDC,
Dehgam, Gandhinagar, Gujarat, India – 382330

Contact:

- Email: business@swadeshindia.in
- Website: www.swadeshindia.in

Recommended Use:

- Emulsifier in pharmaceuticals, food, cosmetics, and industrial applications.

2. COMPOSITION/INGREDIENT INFORMATION

Component	CAS No.	Concentration (%)
Polysorbate 20	9005-64-5	≥ 99.5%

Additional Notes:

- **Impurities:** Trace ethylene oxide (<1 ppm).ng.



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3. HAZARDS IDENTIFICATION

Classification:

- Not classified as hazardous (low risk).

Potential Hazards:

- May cause mild eye/skin irritation
- Low acute toxicity (oral, dermal, inhalation)
- Not flammable (Flash Point >150°C)

4. FIRST AID MEASURES

- **Inhalation:** Move to fresh air.
- **Skin Contact:** Wash with soap/water.
- **Eye Contact:** Rinse with water for 15 mins; seek medical help if irritation persists.
- **Ingestion:** Rinse mouth; drink water (no toxicity expected).

5. FIRE FIGHTING MEASURES

- **Extinguishing Media:** CO₂, dry chemical, or foam.
- **Hazardous Combustion Products:** CO, CO₂.
- **Special Precautions:** Avoid high heat (decomposition risk).

6. ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)

- **Spill Response:**
 - **Small Spills:** Absorb with inert material (sand, sawdust).
 - **Large Spills:** Contain and recover; prevent entry into drains.



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7. HANDLING AND STORAGE

- **Handling:**
 - Use gloves/eye protection if splashing is possible.
- **Storage:**
 - Keep in sealed containers away from heat/oxidizers.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

- **Engineering Controls:** Local exhaust ventilation.
- **PPE:**
 - **Ventilation:** General room ventilation sufficient.
 - **PPE:** Nitrile gloves, safety goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Appearance	Clear yellow liquid
Odor	Characteristic
Boiling Point	>100°C (decomposes)
Solubility in Water	Soluble in water, oils

10. STABILITY AND REACTIVITY

Chemical Stability:

- Stable under normal conditions

Incompatible Materials:

- Strong oxidizers
- Strong acids/bases

Hazardous Decomposition Products:

- Carbon monoxide, carbon dioxide



11. TOXICOLOGICAL INFORMATION

Acute Toxicity:

- **LD50 (Oral, Rat):** >5,000 mg/kg (low toxicity).

Skin Irritation:

- Mild irritation (Rabbit test)

Eye Irritation:

- Moderate irritation (Rabbit test)

Chronic Effects:

- Not classified as carcinogenic

12. ECOLOGICAL INFORMATION

Biodegradability:

- Readily biodegradable (OECD 301)

Aquatic Toxicity:

- Fish LC50 (96h): >10 mg/L

13. DISPOSAL CONSIDERATIONS

Waste Disposal:

- Dispose in accordance with local regulations
- Incineration recommended



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14. TRANSPORT INFORMATION

DOT/IMO/IATA:

- Not classified as dangerous goods

15. REGULATORY INFORMATION

India:

- Compliant with CPCB regulations

International:

- REACH registered
- OSHA compliant

16. ADDITIONAL INFORMATION

Revision Date :20/04/24

Disclaimer: This MSDS is provided for informational purposes only. Users should make their own determination of suitability for any particular purpose.