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## SAFETY DATA SHEET

### SECTION 1 – PRODUCT IDENTIFICATION

#### 1.1 PRODUCT IDENTIFIER

**Chemical Name:** Polysorbate 80 (Polyoxyethylene (20) Sorbitan monooleate)

**Synonyms:** Tween 80, Alkest TW 80, E433

**CAS Number:** 9005-65-6

#### 1.2 RELEVANT USAGE OF ITEM

Raw material for cosmetic formulations

#### 1.3 Supplier Information

Raw Essentials

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### SECTION 2 – HAZARDS IDENTIFICATION

#### 2.1 GHS Classification:

Not considered hazardous under normal usage.

#### 2.2 Label Elements:

Signal Word: None

Hazard Pictograms: None

Hazard Statements: Not classified as hazardous.

Precautionary Statements: Avoid contact with eyes.

### SECTION 3 – FIRST AID MEASURES

**3.1 Inhalation:** Move to fresh air. Get medical attention if symptoms persist.

**3.2 Skin Contact:** Wash with soap and water.

**3.3 Eye Contact:** Rinse with water for several minutes. Seek medical advice if irritation occurs.

**3.4 Ingestion:** Rinse mouth. Do not induce vomiting. Seek medical attention if large quantity ingested.

### SECTION 4 – FIRE-FIGHTING MEASURES

**4.1 Flammability:** Not flammable

**4.2 Suitable Extinguishing Media:** Water spray, dry chemical, CO<sub>2</sub>, foam

**4.3 Hazardous Combustion Products:** Carbon monoxide, carbon dioxide

**4.4 Protective Equipment for Firefighters:** Use self-contained breathing apparatus if needed

## SECTION 5 – HANDLING AND STORAGE

**Handling:** Use in well-ventilated areas. Avoid eye contact.

**Storage:** Store in a cool, dry, well-ventilated area. Keep container tightly closed.

## SECTION 6 – EXPOSURE CONTROLS / PERSONAL PROTECTION

**6.2 Occupational Exposure Limits:** Not established

**6.2 Personal Protective Equipment (PPE):**

Gloves (if handling in bulk)

Safety goggles (if risk of splashing)

Protective clothing for prolonged exposure

## SECTION 7 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	Amber Colored
Odour:	Mild
Solubility:	Soluble in water
Boiling Point:	>100°C
pH:	~6.0 – 8.0 (1% solution)
Flash Point:	>148°C (closed cup)

## SECTION 8 – STABILITY AND REACTIVITY

**8.1 Stability:** Stable under normal conditions

**8.2 Hazardous Reactions:** None known

**8.3 Incompatible Materials:** Strong oxidizing agents

**8.4 Decomposition Products:** Carbon oxides

## SECTION 9 – TOXICOLOGICAL INFORMATION

**9.1 Acute Toxicity:** Oral LD50 (rat): >25,000 mg/kg

**9.2 Irritation:** Mild eye irritant

**9.3 Carcinogenicity:** Not classified as carcinogenic

**9.4 Other Effects:** Generally regarded as safe (GRAS) for pharmaceutical use

## SECTION 10 – ECOLOGICAL INFORMATION

**10.1 Ecotoxicity:** LC<sub>50</sub> (96h, Trout) ≈ 471 mg/L; crustacea EC<sub>0</sub> >10 g/L

**10.2 Environment:** Non-hazardous to water; prevent large releases

**10.3 Disposal:** Follow local regulations; avoid drains; dispose of contaminated materials as chemical waste

## SECTION 11 – DISPOSAL CONSIDERATION

Dispose in accordance with all local and national regulations.

Do not contaminate ponds, waterways, or ditches.

Do not reuse containers.

## SECTION 12 – TRANSPORTATION INFORMATION

Not restricted for transportation purposes.

## SECTION 13 – DISCLAIMER

All information provided in this SDS is correct to the best of our knowledge at the time of its publication. The information serves only as a guide for usage, processing, storage, safe handling, transportation, and disposal. It is not a warranty or quality inspection. The information is only applicable to the specific material designated and may not be valid when the material is used in combination with any other material or in any process, unless specified in this document.