

### 1 PRODUCT & COMPANY IDENTIFICATION

|                      |  |                  |   |
|----------------------|--|------------------|---|
| <b>Product Name:</b> | Polysorbate 20                           | <b>Supplier:</b> | ASES CHEMICAL WORKS.  |
| <b>Synonyms:</b>     | Polyoxyethylene-20 Sorbitan monostearate | <b>Address:</b>  | Brahm Bagh, Jalori Gate<br>Jodhpur - 342001 Rajasthan-India |
| <b>INCI Name:</b>    | Polysorbate-20                           | <b>Phone:</b>    | +91-9636889954  |
| <b>CAS Number:</b>   | 9005-64-5                                | <b>Web:</b>      | www.ases.in   |
| <b>Product Form:</b> | Liquid                                   | <b>Email :</b>   | ecom@ases.in  |
| <b>Product Use:</b>  | Cosmetic use                             |                  |   |

### 2 HAZARDS IDENTIFICATION

|  |  |
|--|--|
| <b>GHS Classification:</b>             | Not classified                             |
| <b>GHS Labelling:</b>                  | Not a dangerous substance according to GHS |
| <b>GHS Precautionary Statements:</b>   | P260: Do not breathe dust.                 |
| <b>Potential Health Hazards: Eyes:</b> | Not expected to be irritant.               |
| <b>Inhalation:</b>                     | Not expected to be irritant.               |
| <b>Skin:</b>                           | Not expected to be irritant.               |
| <b>Ingestion:</b>                      | Not expected to be irritant                |

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

| Component      | CAS No    | Weight  |
|----------------|-----------|---------|
| Polysorbate 20 | 9005-64-5 | 97-100% |

### 4 FIRST AID MEASURES

|                    |  |
|--------------------|--|
| <b>Eyes:</b>       | Flush eyes with water for at least 15 minutes. Consult physician if irritation persists.   |
| <b>Inhalation:</b> | Remove victim to fresh air. Seek medical attention if respiratory irritation or distress occurs.   |
| <b>Skin:</b>       | Wash affected areas with soap and water. Consult physician if irritation persists.   |
| <b>Ingestion:</b>  | Make victim drink water (two glasses at most) Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. Consult doctor if feeling unwell. |

### 5 FIRE-FIGHTING MEASURES

|   |  |
|---|--|
| <b>Extinguishing media :</b>                          | May be combustible at high temperature. Use appropriate media (dry powder, foam, carbon dioxide) for adjacent fire. Do not use direct water jet. |
| <b>Special Hazards:</b>                               | Product is not flammable. In case of combustion, may generate carbon monoxide, besides CO <sub>2</sub> .   |
| <b>Special Protective Equipment For Firefighters:</b> | Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.                              |
| <b>Flash Point :</b>                                  | >149°C (open glass)  |

### 6 ACCIDENTAL RELEASE MEASURES

|                                   |  |
|-----------------------------------|--|
| <b>Personal precautions:</b>      | Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert. Do not try to clean up the leak without proper protective equipment. |
| <b>Environmental precautions:</b> | Avoid liquid release into sewers/public water. Notify environmental authorities in case of large leaks.  |
| <b>Methods for cleaning:</b>      | Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.   |

### 7 HANDLING & STORAGE

|                  |   |
|------------------|---|
| <b>Handling:</b> | Use with adequate ventilation, avoid eye contact and inhalation. Keep container closed when not in use.         |
| <b>Storage:</b>  | Keep container closed. Store in cool, dry well-ventilated area. Keep away from heat and incompatible materials. |

MATERIAL SAFETY DATA SHEET

POLYSORBATE 20

**8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Personal Protection:**

- Eyes:** Safety glasses should be worn.
- Inhalation:** Not needed under normal conditions of use. Use adequate ventilation or NIOSH-approved respiratory devices if required for application.
- Skin/Body:** Lab coats and gloves should be worn.
- Other:** Evaluate need based on application. Slip proof shoes may be worn where spills may occur.
- Hygiene Practice:** Normal work and hygiene practices for handling chemicals

**9 PHYSICAL AND CHEMICAL PROPERTIES**

|                                  |                         |                                     |                             |
|----------------------------------|-------------------------|-------------------------------------|-----------------------------|
| <b>Appearance:</b>               | Clear, yellowish liquid | <b>Vapor Density:</b>               | Not applicable              |
| <b>Odor:</b>                     | Odorless                | <b>Evaporation Rate:</b>            | No data available           |
| <b>Odor Threshold:</b>           | Odorless                | <b>Flammability:</b>                | Product is not flammable    |
| <b>Color:</b>                    | Clear, yellowish        | <b>Upper/lower Explosive Limit:</b> | Not applicable              |
| <b>pH @ 68°F/20°C (100 g/L):</b> | 5.5-6.5                 | <b>Flash Point:</b>                 | >149°C (open glass)         |
| <b>Boiling Point:</b>            | >212° F / 100°C         | <b>Specific Gravity:</b>            | 1.1 @ 25°C                  |
| <b>Melting Point:</b>            | No data available       | <b>Solubility in Water:</b>         | Soluble                     |
| <b>Viscosity:</b>                | ~400 mPas (25°C)        | <b>Auto-Ignition Temperature:</b>   | No data available           |
| <b>Oxidizing Properties:</b>     | No data available       | <b>Decomposition Temperature:</b>   | Not applicable              |
| <b>Vapor Pressure:</b>           | < 1.0000                | <b>Explosive Properties:</b>        | Not classified as explosive |
|                                  |                         | <b>Freezing Point:</b>              | ~20°F / ~7°C                |

**10 STABILITY AND REACTIVITY**

- Reactivity:** No additional information available.
- Chemical Stability:** Stable under normal temperature conditions
- Hazardous Polymerization:** Will not polymerize.
- Conditions to Avoid:** High temperatures, ignition sources, and prolonged exposure to the air.
- Incompatible Materials:** Strong oxidizing agents.
- Hazardous Decomposition Products:** In case of combustion, may generate carbon monoxide, besides CO2.

**11 TOXICOLOGICAL INFORMATION**

|                                   |  |
|-----------------------------------|--|
| Acute toxicity                    | No data available  |
| Skin corrosion/irritation         | No data available  |
| Serious eye damage/eye irritation | Draize eye irritation score was 5.3 out of a possible 110. |
| Respiratory or skin sensitisation | No data available  |
| Instigation                       | LD50: 36700 µL/Kg  |
| Germ cell mutagenicity            | No data available  |
| Carcinogenicity                   | No data available  |
| Reproductive toxicity             | No data available  |
| Specific target organ toxicity    | No data available  |

**12 ECOLOGICAL INFORMATION**

**Ecotoxicity**

- Aquatic Vertebrate:** No data available
- Aquatic Invertebrate:** No data available
- Persistence and Degradability:** Expected to be biodegradable
- Biodegradability:** It is not expected to bioaccumulate in the environment.
- Bioaccumulative Potential:** Partition coefficient: n-octanol/water
- Mobility in Soil:** The product is slightly volatile and water soluble.

MATERIAL SAFETY DATA SHEET

POLYSORBATE 20

**13 DISPOSAL CONSIDERATIONS**

**Waste Disposal Methods:** Do not put into sewer lines. Dispose of according to local, state and federal regulations. Empty container retains product residue.

**14 TRANSPORT INFORMATION**

**US DOT Shipping Description (Land) :** Not classified as a dangerous good under transport regulations

**IMO-IMDG Shipping Description (Sea) :** Not classified as a dangerous good under transport regulations

**IATA Shipping Description (Air) :** Not classified as a dangerous good under transport regulations

**15 REGULATORY INFORMATION**

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

No data available

**Chemical Safety Assessment**

For this product a chemical safety assessment was not carried out.

**16 OTHER INFORMATION**

**Disclaimer & Caution**

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and ASES CHEMICAL WORKS assume no liability resulting from its use.