OXFORD LAB FINE CHEM LLP

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Oxford
Range of
Laboratory Chemicals

# MATERIAL SAFETY DATA SHEET

## TWEEN 40 (Polysorbate 40)

### CAS NO. : 9005-66-7

## Section 1: Chemical Product and Company Identification

**Section 1: Chemical Product**

**Product Name: TWEEN 40 (Polysorbate 40)**
**CAS#: 9005-66-7**
**C.I. No.: Not available.**
**Synonym: Polyoxyethylene Sorbitan Mono Palmitate.**
**Chemical Name: TWEEN 40 (Polysorbate 40)**
**Chemical Formula: Not available.**

**Brand: OXFORD**

**Details Of The Supplier Of The Safety Data Sheet:**

**Company identification:** **OXFORD LAB FINE CHEM LLP**
**Unit. No. 12, 1st Floor, Neminath Industrial Estate No. 6,**
**Navghar, Vasai (East). Palghar - 401 210.**
**Mumbai, Maharashtra, INDIA.**
**Tel: 91-250-2390989**
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## Section 2: Composition and Information on Ingredients

**Substances**

**Synonym: Polyoxyethylene Sorbitan Mono Palmitate.**
**CAS-No.: 9005-66-7**
**No components need to be disclosed according to the applicable regulations.**

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# Section 3: Hazards Identification

## Classification of the substance or mixture

**Classification of the substance according to Regulation (EC) No 1272/2008:**
**Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008**

**Other hazards : None.**

# Section 4: First Aid Measures

## Description of first aid measures

### If inhaled
**If breathed in, move person into fresh air. If not breathing, give artificial respiration.**

### In case of skin contact
**Wash off with soap and plenty of water.**

### In case of eye contact
**Flush eyes with water as a precaution.**

### If swallowed
**Never give anything by mouth to an unconscious person. Rinse mouth with water.**

## Indication of any immediate medical attention and special treatment needed
**No data available**

# Section 5: Fire and Explosion Data

## Extinguishing media

### Suitable extinguishing media
**Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.**

### Special hazards arising from the substance or mixture
**Carbon oxides**

### Advice for firefighters
**Wear self contained breathing apparatus for fire-fighting if necessary.**

### Further information
**No data available**

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# Section 6: Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures**
**Avoid breathing vapours, mist or gas.**

**Environmental precautions**
**Do not let product enter drains.**

**Methods and materials for containment and cleaning up**
**Keep in suitable, closed containers for disposal.**

# Section 7: Handling and Storage

**Precautions for safe handling**
**Normal measures for preventive fire protection.**

**Conditions for safe storage, including any incompatibilities**
**Store in cool place. Keep container tightly closed in a dry and well-ventilated place.**
**Storage class (TRGS 510): Non Combustible Liquids**

# Section 8: Exposure Controls/Personal Protection

**Control parameters**
**Exposure controls**
**Appropriate engineering controls**
**General industrial hygiene practice.**
**Personal protective equipment**
**Eye/face protection**
**Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).**
**Skin protection**
**Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.**
**The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.**

# Section 8: Exposure Controls/Personal Protection (Continued)

**Body Protection:** **Impervious clothing, Flame retardant antistatic protective clothing., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.**

**Respiratory protection**

**Respiratory protection not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).**

**Control of environmental exposure:** **Do not let product enter drains.**

# Section 9: Physical and Chemical Properties

**Information on basic physical and chemical properties**

| | |
|---|---|
| **a)Appearance Form** | **: Yellow viscous liquid.** |
| **b)Odour** | **: No data available.** |
| **c)Odour threshold** | **: No data available.** |
| **d)pH** | **: No data available.** |
| **e) Melting point/range** | **: No data available.** |
| **f)Initial boiling point andboiling range** | **: No data available.** |
| **g)Autoignition temperature** | **: No data available.** |
| **h)Flammability (solid, gas)** | **: No data available.** |
| **i)Upper/lower flammability or explosive limits** | **: No data available.** |
| **j)Flash point [°C]** | **: > 113.00 °C-closed cup** |
| **k)Evaporation rate** | **: No data available.** |
| **l)Vapour pressure** | **: No data available.** |
| **m)Vapour density** | **: No data available.** |
| **n)Relative density,** | **: No data available.** |
| **o)Solubility in water** | **: No data available.** |
| **p)Viscosity** | **: No data available.** |
| **q)Explosive properties** | **: No data available.** |
| **r)Oxidising properties** | **: No data available.** |
| **s)Decomposition temperature** | **: No data available.** |
| **t)Autoignition temperature** | **: No data available.** |
| **u)Molecular Weight** | **: No data available.** |

# Section 10: Stability and Reactivity Data

**Reactivity :** No data available.

**Chemical stability :** Stable under recommended storage conditions.

**Possibility of hazardous reactions :** No data available.

**Conditions to avoid :** No data available.

**Incompatible materials :** Strong oxidizing agents.

**Hazardous decomposition products**
**Other decomposition products** - Hazardous decomposition products formed under fire conditions.- No data available.
Other decomposition products-No data available.

# Section 11: Toxicological Information

**Information on toxicological effects**
**Acute toxicity:**
LD50Oral-Rat-> 38,400 mg/kg (Sorbitan, monohexadecanoate, poly(oxy-1,2-ethanediyl))
**Skin corrosion/irritation**
No data available (Sorbitan, monohexadecanoate, poly(oxy-1,2-ethanediyl))
**Serious eye damage/eye irritation**
No data available (Sorbitan, monohexadecanoate, poly(oxy-1,2-ethanediyl))
**Respiratory or skin sensitization**
No data available (Sorbitan, monohexadecanoate, poly(oxy-1,2-ethanediyl))
**Germ cell mutagenicity**
No data available (Sorbitan, monohexadecanoate, poly(oxy-1,2-ethanediyl))
**Carcinogenicity**
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
**Reproductive toxicity**
No data available (Sorbitan, monohexadecanoate, poly(oxy-1,2-ethanediyl))
**Specific target organ toxicity - single exposure**
No data available (Sorbitan, monohexadecanoate, poly(oxy-1,2-ethanediyl))
**Specific target organ toxicity - repeated exposure**
No data available

# Section 11: Toxicological Information (Continued)

**Aspiration hazard**
**No data available (Sorbitan, monohexadecanoate, poly(oxy-1,2-ethanediyl))**
**Additional Information**
**RTECS: WG2933000**

# Section 12: Ecological Information

**Toxicity:**
**Toxicity to fish: LC50-Oryzias latipes-> 1,000 mg/l-48 h(Sorbitan, monohexadecanoate, poly(oxy-1,2-ethanediyl))**

**Persistence - degradability : No data available.**

**Bioaccumulative potential : Not established.**

**Mobility in soil : Not established.**

**Results of PBT and vPvB assessment : PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.**

**Other adverse effects :**
**No data available.**

# Section 13: Disposal Considerations

**Waste treatment methods**
**Product: Offer surplus and non-recyclable solutions to a licensed disposal company.**

**Contaminated packaging: Dispose of as unused product.**

# Section 14: Transport Information

**Land transport (ADR-RID)**

**General information : Not regulated.**

**Sea transport (IMDG) [English only]**

**General information : Not regulated.**

**Air transport (ICAO-IATA) [English only]**

**General information : Not regulated.**

# Section 15: Other Regulatory Information

**Safety, health and environmental regulations/legislation specific for the substance or mixture**
**This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.**

**Chemical Safety Assessment**
**For this product a chemical safety assessment was not carried out.**

# Section 16 - Additional Information

**References: Not available.**

**Other Special Considerations: Not available.**

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