

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE/PREPARATION & COMPANY.

Product name: Polysorbate 80

Product code: CU00015634

SUPPLIER: The Soap Kitchen, Unit 2D&E, Hatchmoor Industrial Estate, Torrington, Devon EX38 7HP
Emergency Tel No01805 622944 Emergency Contact: Mr. Richard Phillips

2. COMPOSITION / INFORMATION ON INGREDIENTS.

Definition/Botanical Origin: A mixture of oleate esters of sorbitol and sorbitol anhydrides, consisting predominantly of the monoester, condensed with approximately 20 moles of ethylene oxide

CAS No: 9005-65-6 Status: chemical Additives: none

Synonyms: Polyoxyethylene sorbitan monooleate CTFA monograph ID: 2457

Uses: Solubiliser, emulsifier

INCI Name: Polysorbate 80

3. HAZARDS IDENTIFICATION:

Concentrated product. Do not ingest. Observe good housekeeping procedures.

4. FIRST-AID MEASURES:

INHALATION: Remove from exposure site to fresh air. Keep at rest. Obtain medical attention.

EYE CONTACT: Rinse immediately with plenty of water for at least 15 mins. Contact a doctor if symptoms persist.

SKIN CONTACT: Remove contaminated clothes. Wash thoroughly with soap & water, flush with plenty of water. If irritation persists, seek medical advice.

INGESTION: Rinse mouth out with water. Seek medical advice immediately.

OTHER: When assessing action take Risk & Safety Phrases into account (Section 15)

5. FIRE FIGHTING MEASURES.

EXTINGUISHING MEDIA RECOMMENDED: Use CO₂, Dry Powder or Foam type Extinguishers, spraying extinguishing media to base of flames. Do not use direct water jet on burning material.

SPECIAL MEASURES: Avoid vapour inhalation. Keep away from sources of ignition. Do not smoke. Wear positive pressure self-contained breathing apparatus & protective clothing.

EXTINGUISHING PROCEDURES: Closed containers may build up pressure when exposed to heat and should be cooled with water spray.

6. ACCIDENTAL RELEASE MEASURES.

PERSONAL PRECAUTIONS: Avoid inhalation & direct contact with skin & eyes. Use individual protective equipment (safety glasses, waterproof-boots, suitable protective clothing) in case of major spillages.

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ENVIRONMENT PRECAUTIONS: Keep away from drains, soils, surface & ground waters.
CLEANING UP METHODS: Remove all potential ignition sources. Contain spilled material. Cover
FOR SPILLAGES: with an inert or non-combustible inorganic absorbent material, sweep up and remove to an approved disposal container. Observe state, federal & local disposal regulations.

7. HANDLING & STORAGE.

PRECAUTIONS IN HANDLING: Apply good manufacturing practice & industrial hygiene practices, ensuring proper ventilation. Observe good personal hygiene, and do not eat, drink or smoke whilst handling.
STORAGE CONDITIONS: Store in tightly closed original container, in a cool, dry & ventilated area away from heat sources & protected from light. Keep air contact to a minimum.
FIRE PROTECTION: Keep away from ignition sources & naked flames. Take precautions to avoid static discharges in working area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION.

RESPIRATORY PROTECTION: Avoid breathing product vapour. Apply local ventilation where possible.
VENTILATION: Ensure good ventilation of working area.
HAND PROTECTION: Avoid all skin contact. Use chemically resistant gloves if required.
EYE PROTECTION: Use safety glasses.
WORK/HYGIENE PRACTICES: Wash hands with soap & water after handling.

9. PHYSICAL & CHEMICAL PROPERTIES.

COLOUR: Yellow
APPEARANCE: Liquid
ODOUR: Odourless
SPECIFIC GRAVITY @ 20°C: 1.08 typical
pH: 7.0 typical

10. STABILITY & REACTIVITY.

REACTIVITY: It presents no significant reactivity hazards, by itself or in contact with water. Avoid contact with strong acids, alkali or oxidising agents.
DECOMPOSITION: Liable to cause smoke & acrid fumes during combustion: carbon monoxide, carbon dioxide & other non-identified organic compounds may be formed.

11. TOXICOLOGICAL INFORMATION.

LD50 > 2000mg/kg Oral Rat (from literature)

12. ECOLOGICAL INFORMATION.

ECOTOXICITY VALUE: Fish 96h LC50 >100mg/l (from literature)
BIODEGRADABILITY: Biodegradable
PRECAUTIONS: Prevent surface contamination of soil, ground & surface water.
PBT IDENTIFICATION: This substance is not listed as a PBT (Persistent Bioaccumulative and Toxic) substance.

13. DISPOSAL CONSIDERATIONS.

Dispose of according to local regulations.
Avoid disposing into drainage systems and into the environment.

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14. TRANSPORT REGULATIONS.

Road (ADR/RID):	n/a
SEA (IMDG):	n/a
AIR (IATA):	n/a
CHIP:	See section 15

15. REGULATORY INFORMATION.

HAZARDS:	n/a
SYMBOLS:	n/a
RISK PHRASES:	n/a
SAFETY PHRASES:	S36 Wear suitable protective clothing

16. OTHER INFORMATION.

PACKAGING:

Type	Suitability
Glass	Yes
Lacquer lined steel/tin	Yes
Aluminium	Yes
HPPE	Yes
F/HDPE	No
Other plastic	Yes
Paper / poly bags	No

SHELF LIFE

When stored within advised conditions, re-test after 12 months and then at 6 monthly intervals.

Q.C. REQUIREMENTS.

In-line with general product specification. Always satisfy suitability for specific application.

The data provided in this material safety data sheet is meant to represent typical data/analysis for this product and is correct to the best of our knowledge. The data was obtained from current and reliable sources, but is supplied without warranty, expressed or implied, regarding its' correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product, and to assume liability for loss, injury, damage or expense arising from improper use of this product. The information provided does not constitute a contract to supply to any specification, or for any given application, and buyers should seek to verify their requirements and product use.

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