



KIMYAGARAN
Emrooz
Chemical Industries Co.

Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: KEPS 80

Product Description: Sorbitane Monooleate Ethoxylate

CAS No.: 9005-65-6

Common Names: Tween 80; Polyoxyethylene 80 sorbitan monooleate; Polyethylene oxide sorbitan mono-oleate; Polyoxyethylene sorbitan oleate; Sorethytan (20) monooleate

Manufacturer: Kimyagaran Emrooz Chemical Industries Co.

Tel: +98-21-88746565

Fax: +98-21-88746564

Home Page: www.kimyagaran.com

2. HAZARDS IDENTIFICATION

NO HAZARDS ARE KNOWN TO BE ASSOCIATED WITH EXPOSURES TO THIS PRODUCT.

Eye Contact: No irritation is likely to develop following contact with eyes.

Skin Contact: No irritation is likely to develop following contact with skin. This product will probably not be absorbed through human skin.

Ingestion: Low oral toxicity, but ingestion may cause irritation of the gastrointestinal tract. No toxic effects are expected following ingestion of this product.

Inhalation: No irritation is expected to be associated with inhalation of this material. No toxic effects are known to be associated with inhalation of vapors from this material.

3. COMPOSITION

Chemical Name	Wt.%	CAS No.
SORBITANE MONOOLEATE ETHOXYLATE	Min. 99.9	9005-65-6

4. FIRST AID MEASURES

Eyes: Immediately flush eyes with copious amounts of water for at least 15 minutes.

Skin: Wash material off the skin with copious amounts of soap and water.

Inhalation: Remove victim to fresh air.

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

5. FIRE-FIGHTING MEASURES

Flash point: >150°C

Fire Hazards in Presence of Various Substances:

Slightly flammable to flammable in presence of open flames and sparks, of heat.

Non-flammable in presence of shocks.

Extinguishing Media: Water Fog, Dry Chemical, Carbon Dioxide, Alcohol Foam.

Fire Fighting Procedures: Emergency responders should wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Small Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow evacuating through the sanitary system.

7. HANDLING AND STORAGE

Handling precautions: Avoid container damage.

Storage Precautions: Store in sealed containers, preferable away from heat or light. Store in a cool, dry location, in original container in a well ventilated area.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection: Safety glasses. Lab coat.

Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Oily Liquid

Appearance: Viscous Liquid

Odor: Fatty

pH: 5-7

Vapor Pressure: <0.1 kPa (@ 20°C)

Viscosity: 300-500 cSt @ 25°C

Freezing/Melting Point: -20.556°C

Solubility: Easily soluble in cold water, hot water.

Soluble in methanol.

Soluble in Toluene, alcohol, cottonseed oil, corn oil

Insoluble in mineral oil.

Specific Gravity/Density: 1.06-1.09 g/ml

10. STABILITY AND REACTIVITY

Stability: Stable. Hygroscopic.

Conditions to Avoid: Heat, flames, and sparks. Reacts with strong oxidizing agents.

Hazardous Decomposition Products: Unknown toxic products may be formed.

Corrosivity: Non-corrosive in presence of glass.

11. TOXICOLOGICAL INFORMATION

No information available at this time.

12. ECOLOGICAL INFORMATION

No information available.

13. DISPOSAL CONSIDERATIONS

Waste must be disposed of in accordance with local environmental control regulations.

14. TRANSPORT INFORMATION

It is not classified as a dangerous substance for transport.

UN No.: Not Allocated

15. REGULATORY INFORMATION

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Not available.

Risk Phrases:

Safety Phrases:

S 24/25 Avoid contact with skin and eyes.

S 28A After contact with skin, wash immediately with plenty of water.

S 37 Wear suitable gloves.

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

WGK (Water Danger/Protection)

CAS# 9005-65-6: 1

Canada

CAS# 9005-65-6 is listed on Canada's DSL List.

CAS# 9005-65-6 is not listed on Canada's Ingredient Disclosure List.

US FEDERAL

TSCA

CAS# 9005-65-6 is listed on the TSCA inventory.

16. OTHER INFORMATION

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

Caution

The information contained in this Material Safety Data Sheet (MSDS) is believed to be correct since it was obtained from sources we believe are reliable. However no representation, guarantees or warranties of any kind are made as to its accuracy, suitability for particular applications, hazards connected with the use of the material, or the results to be obtained from the use thereof. User assumes all risks and liability of any use, processing or handling of any material, variations in methods, conditions and equipment used to store, handle, or process the material and hazards connected with the use of the material are solely the responsibility of the user and remain at his sole discretion.
