

# KEPS 80



**Kimiagaran Emrooz**

Chemical Industries.

**Material Safety Data Sheet**



## 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:** Kimiagaran Emrooz Chemical Ind.

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## 2. COMPOSITION

Chemical Name	Wt.%	CAS No.
Sorbitane Monooleate Ethoxylate	Min. 99.9	9005-65-6

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## 3. 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.

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## 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.

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## 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.

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## 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.

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## 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.

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## 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.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Oily Liquid

**Appearance:** Viscous Liquid

**Odor:** Fatty

**pH:** 5-7

**Vapor Pressure:** 0<0.1 kPa (@ 20°C)

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**Viscosity:** 300-500 cSt @ 25deg 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/mlit

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## 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.

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## 11. TOXICOLOGICAL INFORMATION

No information available at this time.

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## 12. ECOLOGICAL INFORMATION

No information available.

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## 13. DISPOSAL CONSIDERATIONS

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

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## 14. TRANSPORT INFORMATION

It is not classified as a dangerous substance for transport.

**UN No.:** Not Allocated

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## 15. 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.