



**KIMYAGARAN**  
Emrooz  
Chemical Industries Co.

## **Safety Data Sheet**

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** KEPS 60

**Product Description:** Sorbitane Monostearate Ethoxylate

**CAS No.:** 9005-67-8

**Product Formulation:** Not available

**Common Names:** Tween 60; Polyoxyethylene 60 sorbitan monostearate; Polyethylene oxide sorbitan monostearate; Polyoxyethylene sorbitan stearate; Sorethytan (20) monostearate

**Manufacturer :** Kimyagaran Emrooz Chemical Industries Co.

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## 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.

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## 3. COMPOSITION

Chemical Name	Wt.%	CAS No.
Sorbitane Monostearate Ethoxylate	Min. 99.9	9005-67-8

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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:** solid

**pH:** 5-7

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

**Freezing/Melting Point:** 57°C (-5°F)

**Solubility:** Easily soluble in cold water, hot water.

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Soluble in methanol.

Insoluble in liquid paraffin.

**Specific Gravity/Density:** 1 g/ml

**Molecular Weight:** 408

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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. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006

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## 16. OTHER INFORMATION

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 we assume no liability resulting from its use.

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Users should make their own investigations to determine the suitability of the information for their particular purposes.

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## **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.**

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