



**KIMYAGARAN**  
Emrooz  
Chemical Industries Co.

## **Safety Data Sheet**

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** KEMUD-9

**Product Description:** Alcohol Ethoxylate

**CAS No.:** 26468-76-0

**Product Formulation:**  $C_8H_{17}O(C_2H_4O)_9H$

**Chemical Family:** Ethoxylate

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

**Tel:** +98-21-88746565

**Fax:** +98-21-88746564

**Home Page:** [www.kimyagaran.com](http://www.kimyagaran.com)

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## 2. HAZARDS IDENTIFICATION

Causes eye irritation. Harmful if absorbed through skin. May be harmful if swallowed.

**Inhalation:** Vapor may cause irritation.

**Swallowing:** May be harmful if swallowed.

**Eye contact:** Causes moderate to severe irritation.

**Skin absorption:** Harmful if absorbed through skin.

**Skin contact:** Prolonged contact may cause irritation.

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## 3. COMPOSITION

Chemical Name	Wt.%	CAS No.
2-Ethylhexanol Ethoxylate	Min. 99.9	26468-76-0

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## 4. FIRST AID MEASURES

**General advice:** Remove contaminated clothing.

**Inhalation:** If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention.

**Skin:** Wash thoroughly with soap and water.

**Eyes:** Wash affected eyes for at least 15 minutes under running water with eyelids held open.

**Swallowing:** Rinse mouth and then drink plenty of water.

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## 5. FIRE-FIGHTING MEASURES

**Flash point:** > 120 °C

**Autoignition:** > 200 °C

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**Suitable extinguishing media:** water spray, dry extinguishing media, foam

**Hazards during fire-fighting:** harmful vapours Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

**Protective equipment for fire-fighting:** Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

**Further information:** Contaminated extinguishing water must be disposed of in accordance with official regulations.

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## 6. ACCIDENTAL RELEASE MEASURES

Small Spill and Leak: Absorb with an inert material and put the spilled material in an appropriate waste disposal. If necessary, Use suitable protective equipment.

Large Spill and Leak: Absorb with an inert material and put the spilled material in an appropriate waste disposal. Use suitable protective equipment. 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:** No special measures necessary provided product is used correctly.

**Protection against fire and explosion:** No special precautions necessary.

**Storage:** Keep container tightly closed and in a cool place.

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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 occupational exposure limits. Ensure that eyewash stations and safety showers are proximal to the work-station location.

### Personal Protection

Eye: Splash goggles.

Body: Lab coat

Respiratory: Wear appropriate respirator when ventilation is inadequate

Hand: Gloves

**Personal Protection in case of Large Spills:** Splash goggles. Full suit. Boots. Gloves.

Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

The material is hygroscopic - avoid moisture ingress by keeping containers tightly closed.

Materials suitable for storage containers are mild steel, stainless steel, butyl rubber. Unsuitable materials are copper, copper alloys, most rubbers and most plastics.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Clear Yellowish Liquid

**Odor:** Mild

**Solubility:** Soluble in Water

**Density at 25°C:** 0.97-1.08

**pH(5%):** 6-8

**Flash Point:** >120°C

**Viscosity @ 50°C:** ca. 50 cSt

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## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable

**Conditions to Avoid:** Product can decompose at elevated temperatures.

**Incompatibility with Other Materials:** Avoid contact with oxidizing materials.

**Hazardous Decomposition Products:** When available oxygen is limited, as in a fire or when heated to very high temperatures by hot wire or plate, carbon monoxide and other hazardous compounds such as aldehydes might be generated.

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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 disposal of substance:** Must be dumped or incinerated in accordance with local regulations.

**Container disposal:** Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

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## 14. TRANSPORT INFORMATION

**DOT Classification:** This product is not regulated by DOT.

**UN number:** Not Regulated.

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## 15. REGULATORY INFORMATION

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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## 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.

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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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