



**KIMYAGARAN**  
Emrooz  
Chemical Industries Co.

## **Safety Data Sheet**

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** KEMBG

**Product Description:** Alcohol Ethoxylate

**CAS No.:** 111-72-6

**Product Formulation:** C<sub>4</sub>H<sub>9</sub>OC<sub>2</sub>H<sub>4</sub>OH

**Common Names:** Ethylene glycol mono-n-butyl ether; Butyl Cellosolve 2-Butoxyethanol-1-Hydroxy-2-n-butox-yethane

**Chemical Family:** Glycol Ethers

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

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

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**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. Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environments.

**Inhalation:** Vapor may cause irritation.

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

**Eye:** 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.
Butyl glycol	Min. 99.9	111-72-6

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## 4. FIRST AID MEASURES

**Skin Contact:** Remove contaminated clothing. Wash skin with soap and water. Obtain medical advice if skin irritation persists.

**Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**Eye Contact:** Irrigate with clean water or eye-wash solution for at least 10 minutes, holding the eye lids apart. Obtain medical attention if irritation persists.

**Swallowing:** Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed,

call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

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## 5. FIRE-FIGHTING MEASURES

**Flash point:** 68°C

**Autoignition Temperature:** 242 °C

**Flammability of the Product:** Combustible at high temperature.

**Fire Fighting Media and Instructions:**

Small Fire: Use DRY chemical powder.

Large Fire: Use water spray, fog or foam. Do not use water jet.

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## 6. ACCIDENTAL RELEASE MEASURES

Absorb with an inert dry material and place in an appropriate waste disposal container. Product is soluble in water. Contain or minimize dispersion and collect if possible. If not possible disperse residue to reduce aquatic harm.

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## 7. HANDLING AND STORAGE

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Store in a cool dry well-ventilated place away from oxidizing materials. Take necessary action to avoid static electricity discharges (which may cause ignition of organic vapors). This product contains trace amounts of ethylene oxide, a condition which creates the potential for accumulation of ethylene oxide in the headspace of shipping and storage containers and in enclosed areas where the product is being handled or used, be careful during handling and storage.

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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.

**Respiratory protection:** Avoid inhalation. Provide adequate ventilation.

**Hand protection:** Wear as appropriate. Plastic or synthetic rubber gloves.

**Eye protection:** Safety spectacles or goggles. Eyewash bottle with clean water.

**Skin and body:** Remove and launder contaminated clothing before re-use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Clear Liquid

**Odor:** Mild

**Solubility:** Soluble in Water

**IBP:** 168°C

**FBP:** 173°C

**Viscosity at 25°C:** 3.3 cps

**Autoignition Point:** 227°C

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## 10. STABILITY AND REACTIVITY

The product is stable under normal condition. It reacts with strong OXIDIZING AGENTS. It is not polymerized in normal situation.

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## 11. TOXICOLOGICAL INFORMATION

No information available.

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## 12. ECOLOGICAL INFORMATION

No information available.

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## 13. DISPOSAL CONSIDERATIONS

General: It is our opinion this product is not a hazardous waste. We have not performed a Toxicity Characteristic on this product. Incinerate in a furnace where permitted under appropriate local regulations.

Non-cleaned packages: Dispose of washing solution in the same way as product.

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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

Other Label Information Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures,

amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. Legislation and regulations Dangerous Substance Directive 67/548/EEC. The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). The List of Wastes (England) (Amendment) Regulations 2005. (SI 2005 No. 895). Avfallsförordningen (2011:927).

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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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