



KIMYAGARAN
Emrooz
Chemical Industries Co.

Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: KELA

Product Description: Lauryl Fatty Alcohol Ethoxylate

CAS No.: 68439-50-9

Product Formulation: Not Available.

Common Names: Dodecyl poly(oxyethylene)ether; Ethoxylated lauryl alcohol; Lauromacrogol; Lauryl alcohol ethoxylated; Lauryl poly(oxyethylene) ether; Lauryl polyethylene glycol ether; Oxyethylenated dodecyl alcohol; Poly(ethylene oxide) dodecyl ether; Poly(oxyethylene) monolauryl ether; Polyethoxylated dodecanol; Polyethylene glycol dodecyl ether; Polyethylene glycol lauryl ether; Polyoxyethylene dodecanol; Polyoxyethylene lauric alcohol

Chemical Family: Nonionic Surfactants

Manufacturer: Kimyagaran Emrooz Chemical Industries Co.

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2. HAZARDS IDENTIFICATION

Emergency Overview: Mild primary irritant.

Potential Health Effects:

Eye: Accidental exposure to the eyes may produce a mild but transient irritation.

Skin: Mild, primary skin irritation may occur with prolonged or repeated contact. Heated product may cause thermal burns if contacted.

Inhalation: No harmful effects expected at ambient temperature. May elicit pulmonary irritation if mist or vapors are formed.

Ingestion: May cause gastrointestinal irritation.

If product is heated, vaporization can occur. Eye, skin, and upper respiratory irritation can occur.

3. COMPOSITION

Chemical Name	Wt.%	CAS No.
Lauryl-Myristyl alcohol Ethoxylate	Min. 99.9	68439-50-9

4. FIRST AID MEASURES

Swallowed: Seek physician attention immediately. Vomit can not be induced without medical orientation. In case of vomit, keep head lower than hips to prevent product aspiration.

Eye: Flush eyes with plenty of water for at least 15 minutes, with eyelids held open. Call a physician if irritation persists.

Skin: Remove contaminated clothing and flush skin with plenty of water for at least 15 minutes. Call

a physician if irritation persists.

Inhaled: Remove victim from exposure to fresh air. Give oxygen if necessary and call a physician if discomfort persists.

5. FIRE-FIGHTING MEASURES

Extinguishing Media:

Small fires: CO₂, dry chemical or water fog.

Large fires: Foam

Stable under normal conditions of use and storage. Keep far away from heat and ignition sources.

Avoid contact with strong oxidizing agents and compound with high affinity for hydroxyl groups. May emit irritating ashes when involved in a fire. Cool containers with flooding quantities of water until well after fire is out

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear protective clothing. Wear an appropriate respirator if mist or vapor is generated.

Environmental Precautions: Dike flow of spilled material using soil or sandbags to minimize contamination of drains, surface and ground waters.

Procedures for Spill/Leak Clean-up: Ventilate area and eliminate all ignition sources. Contain spill. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers for disposal.

7. HANDLING AND STORAGE

Handling: Handle in accordance with good hygiene and safety procedures. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Since empty containers contain product residue, follow all hazard warnings and precautions even after container is emptied. Keep away from sources of ignition.

Storage: Keep away from heat, sparks or open flames. Keep away from possible contact with incompatible substances. Store in a cool dry place. Suitable for storing in most common vessels including stainless steel, zinc-type, spray-on linings, flaked polyester lining.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Protective Clothing: Safety glasses, goggles, or face shield recommended to protect eyes from mists or splashing.

Respiratory Protection: If vapors or mists are generated.

Other Protective Measures: Employees must practice good personal hygiene, washing exposed areas

of skin several times daily and laundering contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Fatty Alcohol (C₁₂-C₁₄) 2 moles EO

Appearance at 25°C: Colorless liquid

Viscosity at 25°C, cP: 20°C

Density at 25°C, g/ml: 0.85-0.90 **pH**

(5% in water): 5-7

HLB, calculated: 6-6.4

Water Solubility: Sparingly Soluble

Fatty Alcohol(C₁₂-C₁₄) 3 moles EO

Appearance at 25°C: Colorless liquid

Viscosity at 25°C, cP: 30

Density at 25°C, g/ml: 0.85-0.95 **pH**

(5% in water): 5-7

HLB, calculated: 8-8.2

Water Solubility: Sparingly Soluble

Fatty Alcohol (C₁₂-C₁₄) 7 moles EO

Appearance at 25°C: Colorless liquid

Viscosity at 25°C, cP: 51

Density at 25°C, g/ml: 0.96-0.100 **pH**

(5% in water): 5-7

HLB, calculated: 12.4

Water Solubility: Soluble

Fatty Alcohol (C₁₂-C₁₄) 10 moles EO

Appearance at 25°C: White paste

Viscosity at 25°C, cP: 27

Density at 25°C, g/ml : 0.99

pH (5% in water): 5-7

HLB, calculated: 13.9

Water Solubility: Soluble

Fatty Alcohol (C₁₂-C₁₄) 20 moles EO

Appearance at 25°C: White Solid

Viscosity at 25°C, cP: 62.25

Density at 25°C, g/ml: 1.024

pH (5% in water): 5-7

HLB, calculated: 16.4

Water Solubility: Soluble

Fatty Alcohol (C₁₂-C₁₄) 40 moles EO

Appearance at 25°C: White Solid

Viscosity at 25°C, cP: 89

Density at 25°C, g/ml: 1.038

pH (5% in water): 5-7

HLB, calculated: 18

Water Solubility: Soluble

10. STABILITY AND REACTIVITY

General: This product is stable in normal condition

Hazardous Decomposition Products: Combustion produces carbon monoxide, carbon dioxide along with thick smoke.

11. TOXICOLOGICAL INFORMATION

No information available at this time.

12. ECOLOGICAL INFORMATION

No information available.

13. DISPOSAL CONSIDERATIONS

DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH LOCAL REGULATIONS. Do not dispose of via sinks, drains or into the immediate environment.

14. TRANSPORT INFORMATION

UN number

ADR: 3082

RID: 3082

ADN: 3082

IMDG: 3082

ICAO/IATA: 3082

Proper Shipping Name

ADR: Environmentally Hazardous Substance. Liquid, N.O.S (Fatty Alcohol Polyethoxylated)

RID: Environmentally Hazardous Substance. Liquid, N.O.S (Fatty Alcohol Polyethoxylated)

ADN: Environmentally Hazardous Substance. Liquid, N.O.S (Fatty Alcohol Polyethoxylated)

IMDG: Environmentally Hazardous Substance. Liquid, N.O.S (Fatty Alcohol Polyethoxylated)

ICAO/IATA: Environmentally Hazardous Substance. Liquid, N.O.S (Fatty Alcohol

Polyethoxylated)

Transport Hazard Class

ADR: 9

RID: 9

ADN: 9

IMDG: 9

ICAO/IATA: 9

Packing Group

ADR: III

RID: III

ADN: III

IMDG: III

ICAO/IATA: III

Environmental Hazards

ADR: Environmentally Hazardous: Yes

RID: Environmentally Hazardous: Yes

ADN: Environmentally Hazardous: Yes

IMDG: Environmentally Hazardous: Yes

ICAO/IATA: Environmentally Hazardous: Yes

Special Precaution for User

ADR:

Hazard Identification Number: 90

Labels: 9

Tunnel Restriction Code: (-)

RID:

Labels: 9

EmS Number 1: F-A

EmS Number 2: S-F

ICAO/IATA: Labels: 9MI

Transport in bulk according to ANNEX II of MARPOL 73/78 and the IBC Code

No information available

15. REGULATORY INFORMATION

Apply Regulation:

1. Enforcement Rules of the Labor Safety and Health Act

2. Regulations of Hazard Communication on Dangerous and Harmful Material
 3. Traffic Safety Regulations
 4. Standards for the Storage, Clearance, and Disposal of Industrial Waste
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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.

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.
