



KIMYAGARAN
Emrooz
Chemical Industries Co.

Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: KEMIX 50

Product Description: Mixture of Cationic and Nonionic Surfactants

Product Formulation: Proprietary

Chemical Family: Surfactants

Manufacturer: Kimyagaran Emrooz Chemical Ind.

Tel: +98-21-88746565

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Home Page: www.kimyagaran.com

2. HAZARDS IDENTIFICATION

Emergency Overview

Color: Brownish

Physical State: Liquid

Odor: mild odor

Use with local exhaust ventilation.

Avoid contact with the skin, eyes and clothing.

Avoid inhalation of mists or vapors.

3. COMPOSITION

Chemical Name	Wt.%	CAS No.
Quaternized Fatty amine	30-40	61791-10-4
Fatty Alcohol Ethoxylate	30-40	68002-97-1
Alkylene Glycol	10-20	57-55-6
Water	10-20	7732-18-5

4. FIRST AID MEASURES

Eye Contact: Flush eyes thoroughly with water for several minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. If effects occur, consult a physician, preferably an ophthalmologist.

Skin Contact: Wash skin with plenty of water.

Inhalation: Move person to fresh air; if effects occur, consult a physician.

Ingestion: If swallowed, seek medical attention. Do not induce vomiting unless directed to do so by medical personnel.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Hazards from combustion products: Do not allow run-off from fire fighting to enter drains or water courses.

Special protective equipment: In the event of fire, wear self-contained breathing apparatus

6. ACCIDENTAL RELEASE MEASURES

General Information: Use proper personal protective equipment.

Steps to be Taken if Material is Released or Spilled: Small spills: Absorb with materials such as: Any absorbent material. Large spills: Contain spilled material if possible. Collect in suitable and properly labeled containers.

7. HANDLING AND STORAGE

Precautionary measures include: use only with adequate ventilation; avoid breathing vapor, mist or gas; avoid contact with eyes, skin and clothing; keep container closed; and wash thoroughly after handling.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal Protection

Eye/Face Protection: Use safety glasses. If there is a potential for exposure to particles which could cause eye discomfort, wear chemical goggles.

Skin Protection: No precautions other than clean body-covering clothing should be needed.

Hand protection: Chemical protective gloves should not be needed when handling this material. Consistent with general hygienic practice for any material, skin contact should be minimized.

Engineering Controls

Ventilation: Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear liquid

Color: Brownish

Flash point> 120 °C

Ignition temperature> 150 °C

pH: 5 - 8 at 1 % solution

Melting point/range < -10 °C

Solubility in other solvents: Soluble in ethanol.

Water solubility: completely soluble

10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal temperatures and pressures.

Incompatibilities with Other Materials: Strong oxidizing agents.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.

Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

No information available at this time.

12. ECOLOGICAL INFORMATION

No information available.

13. DISPOSAL CONSIDERATIONS

Waste Information

Waste must be disposed of in accordance with federal, state and local environmental control regulations

14. TRANSPORT INFORMATION

Regulatory Information	UN number	Proper shipping name	Class	Packing Group	Label	Additional information
DOT Classification	Not regulated					Remarks 172.102 (c) Special Provision 146: This material may be shipped as a Class 9, because it has been designated as such by another Competent Authority. For transport by Ground or rail in North America, this material is not regulated for transport.
TDG Classification	Not regulated					
IMDG Class	UN 3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Quaternary amine compound). Marine pollutant (Quaternary amine compound)				Marine pollutant Marine pollutant (P)
IATA-DGR Class	UN 3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Quaternary amine compound)				

15. REGULATORY INFORMATION

HCS Classification Irritating material Target organ effects

U.S. Federal Regulations TSCA: All intentionally present components are listed on the TSCA inventory.
DSL: All intentionally present components are listed on the DSL.
TSCA 5(a)2 final significant rules: No products were found.
CERCLA: Hazardous substances.: No products were found.

SARA 302/304/311/312 extremely hazardous substances: No products were found.

SARA 302/304 emergency planning and notification: No products were

found.

SARA 302/304/311/312 hazardous chemicals: No products were found.

SARA 311/312 MSDS distribution - chemical inventory

(6908): Immediate (Acute) Health Hazard

SARA 313 Form R Reporting Requirements

No products were found.

SARA 313 Supplier Notification

No products were found

State Regulations

Pennsylvania RTK: Diluent.: (generic environmental hazard)

Massachusetts RTK: Diluent.

California prop. 65: No products were found.

WHMIS (Canada)

Class D-2B: Material causing other toxic effects (TOXIC).

CEPA DSL: Ethoxylated alcohol.; quaternary amine compound; Diluent.

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.