



KIMYAGARAN
Emrooz
Chemical Industries Co.

Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: KECAS-H

Product Description: Hydrogenated Castor Oil Ethoxylate

CAS No.: 61788-85-0

Product Formulation: Not Available.

Common Names: castor oil hydrogenate polyoxyethylene ether

Chemical Family: Nonionic Surfactants

Manufacturer: Kimyagaran Emrooz Chemical Industries Co.

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2. HAZARDS IDENTIFICATION

Inhalation: Negligible unless heated to produce vapors. Vapors or finely misted materials may irritate the mucous membranes and cause irritation, dizziness, and nausea. Remove to fresh air.

Eye: May cause irritation. Irrigate eye with water for at least 15 to 20 minutes. Seek medical attention if symptoms persist.

Skin: Prolonged or repeated contact is not likely to cause significant skin irritation. Material is sometimes encountered at elevated temperatures. Thermal burns are possible.

Ingestion: No hazards anticipated from ingestion incidental to industrial exposure.

3. COMPOSITION

Chemical Name	Wt.%	CAS No.
Castor Oil Hydrogenate Ethoxylate	Min. 99.9	61791-12-6

4. FIRST AID MEASURES

Eyes: Irrigate eyes with a heavy stream of water for at least 15 to 20 minutes.

Skin: Wash exposed areas of the body with soap and water.

Inhalation: Remove from area of exposure; seek medical attention if symptoms persist.

Ingestion: Give one or two glasses of water to drink. If gastro-intestinal symptoms develop, consult medical personnel. (Never give anything by mouth to an unconscious person.)

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Water spray, foam, carbon dioxide, dry extinguishing media

Specific Hazards: No particular hazards known.

Special Protective Equipment: Wear a self-contained breathing apparatus.

Further Information: Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

6. ACCIDENTAL RELEASE MEASURES

Steps to be Taken in Case Material is Released or Spilled: Dike and contain the spill with inert material (i.e., sand, earth, sawdust) and transfer liquid and solid diking material to separate containers for recovery or disposal. Wash floor area with hot water solution. Remove contaminated clothing and wash before reuse. Wash affected skin areas with soap and water. Keep spills out of all sewers and bodies of water.

7. HANDLING AND STORAGE

Handling: Apply good manufacturing practice & industrial hygiene practices, ensuring proper ventilation. Observe good personal hygiene, and do not eat, drink or smoke whilst handling.

Storage: Store in tightly closed original container, in a cool, dry & ventilated area away from heat sources & protected from light. Keep air contact to a minimum.

Fire Protection: Keep away from ignition sources & naked flames. Take precautions to avoid static discharges in working area.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory Protection: If vapors or mists are generated, wear a NIOSH approved organic vapor/mist respirator.

Clothing: Safety glasses, goggles, or face shield recommended to protect eyes from mists or splashing. PVC coated gloves recommended to prevent skin contact.

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

Castor Oil 40 moles EO

Form: Slight yellow, homogenous, viscous paste

Color: light yellow

Odor: faint specific odor

pH: 5-7

Melting point: 16-28 °C

HLB: 13

Solubility in water: more than 500 g/l

Viscosity: 176 mPa.s (60 °C)

10. STABILITY AND REACTIVITY

General: This product is stable and hazardous polymerization will not occur.

Incompatible Material: Strong oxidizing agents

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

11. TOXICOLOGICAL INFORMATION

Experimental/calculated data:

LD50 rat (oral): > 20,000 mg/kg

LC50 rat (by inhalation): > 2.06 mg/l 4 h

rat (by inhalation): 8 h

Inhalation-risk test (IRT): No mortality within 8 hours as shown in animal studies. The inhalation of a highly saturated vapor-air mixture represents no acute hazard.

12. ECOLOGICAL INFORMATION

No information available.

13. DISPOSAL CONSIDERATIONS

Waste may be disposed of by a licensed waste disposal company. Contaminated absorbent material may be disposed of in an approved land fill. Follow local disposal regulations.

14. TRANSPORT INFORMATION

DOT Classification: This product is not regulated by DOT.

UN number: Not Regulated.

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture: Not available

Chemical safety assessment: Not available.

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.
