



KIMYAGARAN
Emrooz
Chemical Industries Co.

Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: KEST GMS 40 SE

Product Description: Glyceryl Monostearate, Self-Emulsifying

CAS No.: 11099-07-3

Common Names: GMS40-SE, 2,3-dihydroxypropyl Octadecanoate

Chemical Family: Fatty acid ester

Manufacturer: Kimyagaran Emrooz Chemical Industries Co.

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2. HAZARDS IDENTIFICATION

GHS Classification:

Not a hazardous substance or mixture.

GHS Label element:

Not a hazardous substance or mixture.

Other hazards which do not result in classification:

May irritate skin.

May irritate eyes.

Ingestion may cause irritation to mucous membranes.

May cause irritation of respiratory tract.

3. COMPOSITION

Chemical Name	Wt.%	CAS No.
Glyceryl Monostearate 40 SE	100%	11099-07-3

4. FIRST AID MEASURES

Eyes: Immediately flush eye(s) with plenty of water and seek medical advice.

Skin: Wash off with soap and plenty of water. If symptoms persist, call a physician.

Inhalation: If symptoms persist, call a physician.

Ingestion: If symptoms persist, call a physician.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and surrounding environment. Use water spray, alcohol-resistant foam, dry chemical or Carbon Dioxide.

Unsuitable Extinguishing Media: High volume water jet

Specific Hazards during firefighting:

Do not use a solid water stream as it may scatter and spread fire.

Do not allow run-off from firefighting to enter drains or water course.

Specific extinguishing methods: Standard procedure for chemical fires.

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

Further Information:

Use water spray to cool unopened containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment.

Methods and material for containment and cleaning up:

Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

Handling: Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin and eyes.

Storage: Store in original container. Keep container tightly closed in a dry and well-ventilated place.

Materials to avoid: No special restriction on storage with other products.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory Protection: no personal respiratory protective equipment normally required.

Eye protection: Safety glasses.

Skin and body protection: Impervious clothing.

Hand protection: for prolonged or repeated contact use protective gloves.

Ingredients with workplace control parameters: contains no substances with occupational exposure limit values.

9. PHYSICAL AND CHEMICAL PROPERTIES

Glyceryl Monostearate 40 SE

Form: Solid

Color: off-white

Odor: characteristic

Odor Threshold: no data available

pH: no data available

Melting point/range: ca. 60°C

Boiling point: no data available

Flash point: > 100°C

Vapor pressure: no data available

Relative density: ca. 0.95 g/cm³ (at 20 °C)

Density: no data available

Water solubility: emulsifiable

Other solvent solubility: completely soluble (solvent: alcohol)

Partition coefficient (n-octanol/water): no data available

Thermal decomposition: no data available

10. STABILITY AND REACTIVITY

Chemical stability: stable under normal condition.

Incompatible Material: Strong oxidizing agents

Possibility of hazardous reaction: hazardous polymerization does not occur.

Condition to avoid: none known.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:

Product:

Acute oral toxicity: by analogy it is considered that this product is of low oral toxicity.

Skin corrosion/irritation:

Product:

No skin irritation-mild skin irritant

Serious eye damage/eye irritation:

Product:

No eye irritation-mild eye irritation

Respiratory or skin sensitization:

Product:

Did not cause sensitization.

Germ cell mutagenicity:

No data available

Carcinogenicity:

No data available

Reproductive toxicity:

No data available

STOT-repeated exposure

No data available

Aspiration toxicity

No data available

12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Toxicity to fish: Low toxicity to fish.

Persistence and degradability

Product:

Biodegradability: Readily biodegradable

Bioaccumulative potential

Product:

Partition coefficient (n-octanol/water): no data available

Mobility in soil

No data available

Other adverse effect

No data available

Product:

Additional ecological information: there is no data available for this product

13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residue: dispose of accordance with local regulation

Contaminated packaging: empty remaining contents

Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

International regulation

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

Not applicable for product as supplied.

Domestic regulation

Special precautions for user

Not regulated for transport in accordance with DOT, TDG, IMDG, and IATA regulations.

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

This Product is classified as not dangerous for the purpose of the relevant directives and therefore does not require labelling. Nevertheless we recommend to be careful with the material as you used to be with other chemicals.

According to article 31(1) of Regulation (EU) No. 1907/2006 there is no obligation to issue a material safety data sheet for non-classified substances / mixtures. Deviations from the requirements of Annex II of this regulation are therefore possible.

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

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.
