MATERIAL SAFETY DATA SHEET

Glycerin Monostearate GMS 40 (SE/NSE)

01. IDENTIFICATION

Manufacturer: COSMO CHEMISTRY
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Surat, Gujarat, India – 395006
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Chemical name: GLYCERIN MONOSTEARATE ,DIGLYCERIDES OF FATTY ACIDS, ETC.
E-number: E471
US.FDA.nr: 21 CFR 184.1505
Uses: Food emulsifier
Glycerin Monostearate GMS 40

02. COMPOSITION

Product name	Glycerin Monostearate GMS40	Package	25KG/BAG
Standard	E471	CAS NO.:	31566-31-1 or 123-94-4
Test Standard	GB 15612-1995		

Inspection items / Standard

Inspection items	Standard
Appearance	White or light yellow powder solid without impurities, odorless, tasteless
Glycerin Monostearate content	≥ 40.0
Iodine value	≤4.0
Free glycerin	≤6.0
Freezing point	55.0-65.0
Free acid (stearic acid)	≤ 7.0
Arsenic (As)	≤ 0.0001
Heavy metals (plumbum)	≤ 0.0005

03. HAZARD INFORMATION

Health hazards: No harmful effects have been identified.
Physical-chemical hazards: None identified.
Environmental hazards: None identified.

04. FIRST AID MEASURES

Ingestion: Rinse mouth with water. Drink at least 250ml of milk or water.

Skin contact: Remove contaminated clothing.
Wash affected areas with plenty of water and soap.
In case of persisting irritation or any sign of tissue damage seek medical helo.

Eyes contact: Flush eyes with copious amounts of water.
If irritation persists, seek medical help.

05. FIRE FIGHTING MEASURES

Extinguishing media: CO2, foam, dry chemical.
Special measures: None.
Special protective equipment: None.

06. ACCIDENT RELEASE MEASURES

Collect spilled material and dispose of in accordance with local regulations; pregerably by incineration.

07. STORAGE AND HANDLING PROCEDURES

Storage: Store in a cool, dry place.
Keep away from heat and flame.

Shelf life: 24 months after date of manufacture.

Special precautions: None.

08. PERSONAL PROTECTION

General precautions: Handle in accordance with good occupation hygiene and safety Practices. Avoid contact with skin and eyes. Avoid unnecessary breathing of dust.

Ventilation : General
Eye protection : Safety glasses
Skin protection : Gloves

09. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : white, powder
Odor : neutral to fatty
Flash Point (cc) : 205°C
Auto-flammability : 220°C
Boiling Point : >250°C
Melting Point : >55°C
Solubility (water) : practically insoluble in water, but forms emulsion.
Other Data : none.

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.
Material is hygroscopic.

Materials to avoid: Strong oxidation agents.

Hazardous combustion or decomposition products: Not to be expected.

Hazardous polymerisation: Will not occur.

11. TOXICOLOGICAL INFORMATION

Mono and diglycerides are present in small amount in food fats (triglycerides). in the body food fats undergo digestion and they are as a first step broken down to mono and diglycerides. Several feeding studies (short and long-term) using several species have been performed on a range of mono and diglycerides, without finding adverse effects (WHO Food Additives Serles 5, 1974, p 238).

12. ECOLOGICAL INFORMATION

No ecological data are available for this product.

13. DISPOSAL PROCEDURES

Waste disposal method: Sanitation, landfill, or incineration in accordance with local regulations.Treatment of empty containers: As usual.

14. TRANSPORT INFORMATION

UN-number: not assigned
CEFIC-code: not assigned
ADR Class: not assigned
Hazard label no.: not assigned

15. REGULATORY INFORMATION

Label information: not classified as dangerous.

16. OTHER INFORMATION

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.