

MATERIAL SAFETY DATA SHEET

THE HALLSTAR COMPANY

Section 1 - Identification of Substance and Company

Product Name: HALLSTAR® GMO
Chemical Name: Glyceryl Monooleate

Product Code: H023

Supplier: The HallStar Company ⁽¹⁾
120 S. Riverside Plaza Suite 1620 PH: (877) 427-4255
Chicago, Illinois 60606
USA

HMIS
Health: 0
Flammability: 1
Reactivity: 0
Gloves & Safety Glasses

Emergency Phone Numbers: The HallStar Company (708) 594 - 5999
CHEMTREC (transportation) (800) 424 - 9300

Section 2 - Information on Ingredients

<u>Chemical Name</u>	<u>CAS #</u>	<u>%</u>
Glyceryl Monooleate	25496-72-4	40-45
Oleic Acid	112-80-1	0-2
Glycerine	56-81-5	0-4

Section 3 - Hazard Identification

Appearance/Odor: Amber colored liquid to paste with bland fatty odor.

Potential Health Effects

Skin Contact: Not expected to be a primary skin irritant. Prolonged or excessive skin contact may cause mild skin irritation.

Eye Contact: May cause slight eye irritation.

Ingestion: Ingestion of large amounts may produce gastrointestinal disturbances including irritation, nausea and diarrhea.

Inhalation: Inhalation of vapors may be irritating to the respiratory system.

Section 4 - First Aid Measures

Skin Contact: Wash affected skin with soap and water. Seek medical attention.

Eye Contact: Flush eyes with large amounts of water for at least 15 minutes. If irritation persists, consult a physician.

Ingestion: Rinse mouth thoroughly and seek medical attention.

Inhalation: Person should be moved to a fresh air environment.

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Section 5 - Explosion and Fire-Fighting Measures

Extinguishing Media: CO₂, Dry Chemical, Water Fog, Foam
Special Fire-Fighting Procedures: A MSHA/NIOSH approved self contained breathing apparatus should be worn. Use water spray to cool fire-exposed containers.
Unusual Fire and Explosion Hazards: Unknown

Section 6 - Accidental Release/Spill Procedures

Steps to be Taken in Case Material is Released or Spilled: Contain the spill and transfer 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.

Section 7 - Handling and Storage

Containers should be kept tightly closed and stored in a dry well-ventilated place. Do not handle or store near an open flame, heat or other sources of ignition.

Section 8 - Personal Protection

Hand Protection: Impervious gloves
Eye Protection: Safety glasses with side shields
Respiratory Protection: None required for normal operation.
Engineering Measures: Direct exhaust when material becomes heated and fumes are given off .
Other: Eyewash facility in vicinity.

Section 9 - Physical and Chemical Properties

Boiling Point:	>300° F	Specific Gravity:	0.9415 @25° C
Flash Point (COC):	>201° F	pH (5% solution):	3.5 - 6.5
Melting or Freezing Point:	N/A	Solubility in Water:	Insoluble
Appearance and Odor:	Amber colored liquid to paste with bland fatty odor.		

Section 10 - Stability and Reactivity

Stability: This product is stable under normal conditions.
Conditions to Avoid: Strong oxidizing agents and alkalies.
Hazardous Decomposition Products: None under normal use conditions; oxides of carbon when burned.
Hazardous Polymerization: Will not occur under normal circumstances.

Section 11 - Toxicological Information

No information is available.

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Section 12 - Ecological Information

No ecological information is available.

Section 13 - Disposal Considerations

Waste Disposal Methods: Material should be disposed of in accordance to current local and national regulations. Contacting a waste disposal service is recommended.

Section 14 - Transport Information

Not classified as hazardous according to the Department of Transportation.

Section 15 - Regulatory Information

This product is listed on the following inventories: USA (TSCA), Canada (DSL), Australia (AICS), Europe (EINECS), Japan (ENCS), Korea (ECL), China (EICS), and Philippines (PICCS).

Superfund Amendments and Reauthorization Act (SARA): This product contains the following chemicals subject to the reporting requirements of Section 313 or Title III of SARA and 40 CFR Part 372:

Ingredients

None

California Proposition 65: This product does not contain any substances known to the state of California to cause cancer, birth defects, or other reproductive harm per the Safe Drinking Water and Toxic Enforcement Act of 1986.

Section 16 - Other Information

Prepared By: DCU

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Supersedes: 02/08

All information is presented in good faith using available information. The HallStar Company makes no representation of the accuracy or completeness of the information. The user should consider this information as a supplement to other information that may be available. User should also determine suitability of information in their situation to determine proper use and disposal, protection of persons and the environment.

⁽¹⁾ Affiliated companies include RTD*HallStar Company, HallStar Solutions Corp., Ester Solutions Company, Memphis Solutions Company and Marine Magnesium & Minerals Company.