



Safety Data Sheet

Capmul® GMO-50 EP-NF

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING

- 1.1 Product Identifier**
Trade Name: Capmul® GMO-50
Product Code: 8215
- 1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against**
Product Use: Pharmaceutical Applications
- 1.3 Details of the Supplier of the Safety Data Sheet**
Manufacturer: ABITEC Corporation
1530 South Jackson Street
Janesville, WI 53546
Information Phone Number: Product Stewardship: 608-752-9007
E-mail: SDS@abiteccorp.com
- 1.4 Emergency Telephone Number**
Emergency Spill Information CHEMTREC (800) 424-9300
International Call Collect: (703) 527-3887

SDS Date of Preparation: May 29, 2015

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

US Hazard Classification (29CFR 1910.1200-2012): This product is not classified as hazardous in accordance with the OSHA Hazard Communication Standard.

GHS / EU CLP Classification (No 1272/2008): Not classified as a hazardous substance.

2.2 Label Elements

No labeling required

2.3 Other Hazards:

None.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	EINECS#	EU Classification (67/548/EEC) GHS/CLP Classification	%
Glyceryl Mono-oleate	25496-72-4	247-038-6	Not classified as hazardous	100

See Section 16 for further information on EU and GHS Classification.

SECTION 4: FIRST AID MEASURES

4.1 Description of First Aid Measures

Eye: Flush with large quantities of water. Obtain medical attention if irritation occurs and persists.

Skin: Wash with soap and water. Get medical attention if irritation develops.

Inhalation: Remove victim to fresh air. Get medical attention if irritation persists.

Ingestion: No first aid should be required. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if large amount is swallowed.

4.2 Most Important symptoms and effects, both acute and delayed:

Poses little or no health hazard.



Safety Data Sheet

Capmul® GMO-50 EP-NF

4.3 Indication of any immediate medical attention and special treatment needed: None required.

SECTION 5: FIRE FIGHTING MEASURES

5.1 Extinguishing Media:

Use water fog or spray, foam, carbon dioxide or dry chemical.

5.2 Special Hazards Arising from the Substance or Mixture

Unusual Fire and Explosion Hazards:

Not considered flammable or combustible but will burn under fire conditions.

Hazardous Decomposition Products: Carbon monoxide. Carbon dioxide.

5.3 Special Protective Actions for Fire-Fighters:

Special Fire Fighting Procedures: Do not use heavy stream of water. Burning material may splatter surrounding area and spread fire.

Fire Fighting Equipment: As in any fire, wear positive pressure, self-contained breathing apparatus and full protective gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

Wear appropriate protective equipment.

6.2 Environmental Precautions:

Prevent run-off to sewers, streams or other bodies of water. Report spills and releases as required to appropriate authorities.

6.3 Methods and Material for Containment and Cleaning Up:

Small Spill: Stop spill at source. Collect with inert absorbent. Wash area with hot soapy water.

Large Spill: Stop spill at source. Collect with an inert absorbent and place into a disposal container. Prevent run-off to sewers, streams or other bodies of water. Wash floors with hot soapy water to prevent slipping. Report spills and releases as required to appropriate authorities.

6.4 Reference to Other Sections:

Refer to Section 8 for protective equipment. Refer to Section 13 for disposal guidance.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling:

Avoid contact with the eyes, skin and clothing. Avoid creating and breathing mists. Wash thoroughly after handling. Keep containers closed when not in use.

7.2 Conditions for Safe Storage, Including any Incompatibilities

Store in a dry area. Keep containers closed when not in use. Store at ambient temperatures.

7.3 Specific end use(s):

Nutriceutical applications

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters:

Chemical Name	Exposure Limits
Glyceryl Mono-oleate	None Established



Safety Data Sheet

Capmul® GMO-50 EP-NF

8.2 Exposure Controls:

Engineering Controls: None needed under normal use.

Eye and Face: None needed under normal use. Chemical safety goggles recommended.

Skin: None needed under normal use. Neoprene gloves recommended.

Respiratory: None needed under normal use.

Protective Clothing: Wear thermally protective clothing and gloves when working with hot material.

Work Hygienic Practices: Remove contaminated clothing and launder before reuse. Wash hands with soap and water after handling product, or clothing containing residual material.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic Physical and Chemical Properties:

Physical State: Liquid to semi-solid	Appearance: Clear to opaque, light yellow to yellow (yellowing when molten)
Odor: Bland, fatty	Odor Threshold: Not determined
pH: 4.5-5.5	Specific Gravity: 0.95
Boiling Point: Not determined	Melting Point: ~20°C (68°F)
Vapor Pressure: Not determined	Water Solubility: Insoluble at room temperature. Disperses in hot water.
Vapor Density: Not determined	Evaporation Rate: Not determined
Viscosity: ~ 110 cSt at 40°C (104°F)	Pour Point: Not determined
Flash Point: >160°C (>320°F) (ASTM D3278/D3828)	Flammable Limits: LEL: Not determined
Autoignition Temperature: Not determined	Flammable Limits: UEL: Not determined
Percent Volatile: Not determined	Flammability (solid/gas): Not applicable
Partition Coefficient: n-octanol/water: Not determined	Decomposition Temperature: Not determined
Explosive Properties: Not explosive	Oxidizing Properties: Not an oxidizer

9.2 Other Information:

None

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

Not reactive

10.2 Chemical Stability:

Stable

10.3 Possibility of Hazardous Reactions:

None expected.

10.4 Conditions to Avoid:

None known.

10.5 Incompatible Materials:

Avoid oxidizers, strong acids, and strong bases.

10.6 Hazardous Decomposition Products:

Carbon monoxide. Carbon dioxide.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects:

Eye: May cause mild irritation.

Skin: Prolonged skin contact may cause mild irritation.

Skin Absorption: No evidence of adverse effects from available information.

Ingestion: May cause gastrointestinal discomfort if ingested in large quantities.

Inhalation: Not expected

Chronic Toxicity: No adverse effects expected.



Safety Data Sheet

Capmul® GMO-50 EP-NF

Acute Toxicity Data:

No data available

Irritation: This product is not expected to cause irritation.

Corrosivity: This product is not a corrosive material.

Sensitization: No data available. Not expected to cause sensitization.

Repeat Dose Toxicity: No data available. No adverse effects are expected.

Carcinogen Status: No data available. None of the components of this product are listed as carcinogens by OSHA, IARC, NTP, or the EU CLP.

Mutagenicity: No data available. This product is not expected to present a mutagenic hazard.

Toxicity for Reproduction No specific data is available. Not expected to be hazardous to reproduction or to the unborn child.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity:

No specific data is available. Not expected to be toxic to aquatic organisms.

12.2 Persistence and Degradability:

Expected to be biodegradable.

12.3 Bioaccumulative Potential::

Not expected to bioaccumulate.

12.4 Mobility in Soil:

No data available.

12.5 Results of PBT and vPvB Assessment:

Not required.

12.6 Other Adverse Effects:

Not known

SECTION 13: DISPOSAL INFORMATION

13.1 Waste Treatment Methods

Disposal Method: Dispose in accordance with all local, state and federal regulations.

Empty Container: Remove product residue and dispose of container at an approved waste handling facility.

General Comments: It is the responsibility of the user of this product to characterize wastes generated to determine if the waste meets the definition of hazardous waste.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN Number	14.2 UN Proper Shipping Name	14.3 Transport Hazard Class(s)	14.4 Packing Group	14.5 Environmental Hazards
US DOT	None	Not regulated	None	None	Not applicable
EU ADR/RID	None	Not regulated	None	None	Not applicable
IMDG	None	Not regulated	None	None	Not applicable
IATA	None	Not regulated	None	None	Not applicable

14.6 Special Precautions for User:

None



Safety Data Sheet

Capmul® GMO-50 EP-NF

14.7 Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code:
Not determined

SECTION 15: REGULATORY INFORMATION

15.1 Safety, Health and Environment Regulations/Legislation Specific for the Substance or Mixture:

US Regulations:

EPA SARA 311/312 Hazard Classification: Not Hazardous

EPA SARA 313: This Product Contains the Following Chemicals Subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372): None

Protection Of Stratospheric Ozone: This product is not known to contain or to have been manufactured with ozone depleting substances as defined in 40 CFR Part 82, Appendix A to Subpart A.

CERCLA Section 103: This product is not subject to CERCLA spill reporting requirements. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

California Proposition 65: This product is not known to contain chemicals regulated under Proposition 65.

Chemical Inventories:

US TSCA: This product can be used for food, cosmetic and pharmaceutical uses only. It contains components that are not listed on the Toxic Substances Control Act (TSCA) Chemical Substances Inventory.

Canada: All of the components are listed on the Canadian DSL.

EU EINECS: All of the components are listed on the EINECS inventory.

Korea: All of the components are listed on the Korean Existing Chemicals Inventory

China: All the components are listed on the Chinese chemical inventory.

Philippines: All of the components are listed on the PICCS inventory.

Japan: All of the components are listed on the MITI inventory.

New Zealand: All of the components are listed on the New Zealand ERMA Chemical Inventory.

15.2 Chemical Safety Assessment:
Not required

SECTION 16: OTHER INFORMATION

NFPA RATING (NFPA 704) - FIRE: 0 HEALTH: 0 INSTABILITY: 0

EU Classes and Risk Phrases for Reference (See Sections 2 and 3):
None.

Revision History:

5/29/15: Updated SDS to comply with REACH regulations.

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