



# Safety Data Sheet

Capmul® GMS-50K

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

### 1.1 Product Identifier

**Trade Name:** Capmul® GMS-50K  
**Product Code:** 6205

### 1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

**Product Use:** Various Cosmetic, Food and Pharmaceutical Applications

### 1.3 Details of the Supplier of the Safety Data Sheet

**Manufactured for:** ABITEC Corporation  
1800 South Main Street  
Paris, IL 61944  
**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 28, 2015

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the Substance or Mixture

**US Hazard Classification (29CFR 1910.1200-2012):** Combustible Dust

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

### 2.2 Label Elements

Warning! May form combustible dust concentrations in air.

### 2.3 Other Hazards:

None.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Mixtures

Chemical Name	CAS#	EINECS#	EU Classification (67/548/EEC) GHS/CLP Classification	%
Glyceryl monostearate	31566-31-1	250-705-4	Not classified as hazardous	100

The exact concentration is being withheld as a trade secret.

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 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.



# Safety Data Sheet

Capmul® GMS-50K

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

Poses little or no health hazard.

**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 but will burn under fire conditions. Dust generated in handling this material may present a potential fire and explosion hazard if suspended in air at high concentrations. Settled dust presents a fire hazard. Resuspension of the dust into the air by vibration, traffic, material handling, etc. in high concentrations in the presence of an ignition source could result in a dust explosion. Minimize the generation and accumulation of dust.

**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. Pick up, or scoop material into a disposal container. Collect product in a manner that minimizes the generation of airborne dust. Clean spill area thoroughly to prevent the accumulation of combustible dust in the work area.

**Large Spill:** Stop spill at source. Pick up, or shovel material into a disposal container. Collect product in a manner that minimizes the generation of airborne dust. If a vacuum is used, explosion proof equipment is required. Nonsparking tools should be used. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentrations. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air.). 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 dusts. Wear recommended personal protective equipment. Minimize the generation and accumulation of dust. Keep dust away from open flames, hot surfaces and sources of ignition. Follow good housekeeping practices to keep surfaces, including areas overhead such as piping, drop ceilings, ductwork, etc. free from settled dust. Dry powders can build static electricity charges when subjected to friction of transfer and in mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Wash thoroughly after handling. Keep containers closed when not in use.



# Safety Data Sheet

Capmul® GMS-50K

## 7.2 Conditions for Safe Storage, Including any Incompatibilities

Store in a dry area away from heat or flame between 68°F (20°C) to 77 °F (25°C). Keep containers closed when not in use. Store at ambient temperatures. Store away from heat and direct sunlight.

## 7.3 Specific end use(s):

Various Cosmetic, Food and Pharmaceutical Applications

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control Parameters:

Chemical Name	Exposure Limits
Glyceryl monostearate (as vegetable oil mist)	15 mg/m <sup>3</sup> TWA OSHA PEL (total dust), 5 mg/m <sup>3</sup> TWA (respirable fraction)

### 8.2 Exposure Controls:

**Engineering Controls:** None needed under normal use. It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling this product contain explosion relief vents or an explosion suppression system or an oxygen deficient environment. Ensure that dust handling systems (such as exhaust ducts, dust collectors, vessels and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e. there is no leakage from the equipment). Use only appropriately classified electrical equipment and powered industrial trucks.

**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:** Rubber boots and apron should be worn for hot material. Work uniform or tyvek suit should be adequate protection when working with ambient materials.

**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:

<b>Physical State:</b> Solid	<b>Appearance:</b> White powder
<b>Odor:</b> Typical fatty odor	<b>Odor Threshold:</b> Not determined
<b>pH:</b> Not determined	<b>Specific Gravity:</b> Not determined
<b>Boiling Point:</b> Not determined	<b>Melting Point:</b> 58°C (147.2°F)
<b>Vapor Pressure:</b> < 1 mmHg at 25°C (77°F)	<b>Water Solubility:</b> Disperses
<b>Vapor Density:</b> > 1 (Air = 1)	<b>Evaporation Rate:</b> Nil
<b>Viscosity:</b> Not determined	<b>Pour Point:</b> Not determined
<b>Flash Point:</b> >248.9°C (>480°F) COC (Compared to similar type Products)	<b>Flammable Limits: LEL:</b> Not determined
<b>Autoignition Temperature:</b> Not determined	<b>Flammable Limits: UEL:</b> Not determined
<b>Percent Volatile:</b> Not determined	<b>Flammability (solid/gas):</b> Combustible dust
<b>Partition Coefficient: n-octanol/water:</b> Not determined	<b>Decomposition Temperature:</b> Not determined
<b>Explosive Properties:</b> Not explosive	<b>Oxidizing Properties:</b> Not an oxidizer

### 9.2 Other Information:

None

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity:

Not reactive

### 10.2 Chemical Stability:

Stable



# Safety Data Sheet

## Capmul® GMS-50K

- 10.3 Possibility of Hazardous Reactions:**  
None expected.
- 10.4 Conditions to Avoid:**  
Keep away from heat, and flames.
- 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.

**Acute Toxicity Data:**

Product: Dermal mouse LD50: 200 mg/kg

**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, ACGIH 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. Products of hydrolysis are practically not toxic to aquatic species.
- 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



# Safety Data Sheet

Capmul® GMS-50K

## 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

### 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:** Fire Hazard

**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.

#### Canadian Regulations:

**Canadian WHMIS:** Not a controlled product.

This product has been classified in accordance with the hazard criteria in the CPR and the SDS contains all the information required by the CPR.

#### Chemical Inventories:

**US TSCA:** All of the components of this material are listed on the Toxic Substances Control Act (TSCA) Chemical Substances Inventory or are exempt.

**Canadian CEPA:** All of the components are listed on the Canadian DSL.

**European Community Labeling:** None Required

**EINECS Status:** All of the components of this product are listed on the European EINECS inventory

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

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

**Korea:** All of the components are listed on the TCCL inventory

**China:** All of the components are listed on the Existing Chemical Substances inventory

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



# Safety Data Sheet

## Capmul® GMS-50K

**15.2 Chemical Safety Assessment:**  
Not required

<b>SECTION 16: OTHER INFORMATION</b>
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NFPA RATING (NFPA 704) - FIRE: 2      HEALTH: 0      INSTABILITY: 0

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

**GHS Hazard Phrases for Reference (See Sections 2 and 3):**  
None

Refer to NFPA 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and handling of Combustible Particulate Solids, for safe handling.

**SDS Date of Preparation/Revision:** May 28, 2015  
**Revision History:** Updated SDS to CLP format

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