

# MATERIAL SAFETY DATA SHEET



**Date-Issued:** 08/31/2005  
**MSDS Ref. No:** 05-6205-00  
**Revision No:** New MSDS

## Capmul GMS-50K

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Capmul GMS-50K  
**PRODUCT DESCRIPTION:** Glycerol mono/di-stearate  
**PRODUCT CODE:** 6205  
**CHEMICAL FAMILY:** Mono/di-glycerides

#### MANUFACTURER

ABITEC Corporation  
 1530 South Jackson Street  
 Janesville, WI 53546  
**Product Stewardship:** 608-752-9007

#### 24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (U.S.): (800) 424-9300  
 CANUTEC: (613) 996-6666  
 International Call Collect: (703) 527-3887  
 Emergency Phone: (608) 752-9007

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Wt.%</u>	<u>CAS#</u>	<u>EINECS#</u>
Glyceryl monostearate		31566-31-1	250-705-4

### 3. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

**PHYSICAL APPEARANCE:** White waxy beads.

**IMMEDIATE CONCERNS:** Not expected.

#### POTENTIAL HEALTH EFFECTS

**EYES:** May cause irritation.

**SKIN:** May cause irritation.

**SKIN ABSORPTION:** Not expected.

**INGESTION:** No evidence of adverse effects from available information.

**INHALATION:** Vegetable oil mists are classified as "nuisance particulates" by OSHA and the American Conference of Governmental Industrial Hygienists (no health effects reported).

#### SIGNS AND SYMPTOMS OF OVEREXPOSURE

**EYES:** Irritation.

**SKIN:** Irritation.

**INGESTION:** No adverse symptoms are expected from available information.

**INHALATION:** Irritation.

**ACUTE TOXICITY:** Not expected.

**MEDICAL CONDITIONS AGGRAVATED:** Not expected.

**ROUTES OF ENTRY:** Eye/skin contact.

**TARGET ORGAN STATEMENT:** Eyes/skin.

**IRRITANCY:** Contact with skin or eyes may cause irritation.

### 4. FIRST AID MEASURES

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**EYES:** Immediately flush with large quantities of water for at least 15 minutes and contact a physician.

**SKIN:** Wash with soap and warm water.

**INGESTION:** If gastrointestinal discomfort is encountered, contact a physician.

**INHALATION:** Remove to fresh air.

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## 5. FIRE FIGHTING MEASURES

**FLASHPOINT AND METHOD:** (480°F)COC (Cleveland Open Cup)

**AUTOIGNITION TEMPERATURE:** Not determined.

**FLAMMABLE CLASS:** Not applicable.

**EXTINGUISHING MEDIA:** Dry chemical or waterspray or water fog, carbon dioxide, foam or sand/earth.

**HAZARDOUS COMBUSTION PRODUCTS:** Carbon monoxide, Carbon dioxide.

**EXPLOSION HAZARDS:** None.

**FIRE FIGHTING PROCEDURES:** Treat as fat or oil fire. Do not use heavy stream of water. Fatty material will float and splatter surrounding area.

**FIRE FIGHTING EQUIPMENT:** As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

**AUTOIGNITION TEMPERATURE:** Not determined.

**FLAMMABLE LIMIT:** Not determined.

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## 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Vacuum or sweep up material and place in a disposal container.

**LARGE SPILL:** Stop spill at source. Dike area of spill to prevent spreading. Sweep up dry material and shovel into container. Pump any liquid into salvage tank. Absorb remaining liquid on solid absorbent material and shovel into container.

### ENVIRONMENTAL PRECAUTIONS

**WATER SPILL:** Avoid runoff into storm sewers and ditches which lead to waterways.

**LAND SPILL:** Shovel or sweep up and place in a waste container.

**AIR SPILL:** Not applicable.

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## 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Use with adequate ventilation. Avoid mist formation. Avoid contact with eyes.

**HANDLING:** Keep away from heat, sparks and flame. Wear recommended personal protective equipment. Never use pressure to empty drums.

**STORAGE:** Store in dry area in closed, labeled containers.

**STORAGE TEMPERATURE:** (68°F) minimum to (77°F) maximum

**SHELF LIFE:** Retest and requalify one year from date of manufacture.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Use local ventilation if necessary to control dust or fumes from hot material.

### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Chemical splash goggles are recommended.

**SKIN:** Neoprene-type for hot oil.

**RESPIRATORY:** In the presence of mists or dusts, the use of a NIOSH/OSHA approved mask and/or respirator is

recommended.

**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:** Wash hands with soap and water after handling. Remove and wash contaminated clothing.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Solid.

**ODOR:** Mild.

**APPEARANCE:** White waxy beads.

**pH:** Not determined.

**PERCENT VOLATILE:** Not determined.

**VAPOR PRESSURE:** < 1 mmHg at 25°C

**VAPOR DENSITY:** > 1 (Air = 1)

**BOILING POINT:** Not determined.

**FREEZING POINT:** Not determined.

**MELTING POINT:** 58°C

**SOLUBILITY IN WATER:** Disperses.

**EVAPORATION RATE:** Nil.

**DENSITY:** Not determined.

**SPECIFIC GRAVITY:** Not determined.

**VISCOSITY:** Not determined.

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## 10. STABILITY AND REACTIVITY

**STABLE:** YES

**HAZARDOUS POLYMERIZATION:** NO

**CONDITIONS TO AVOID:** Keep away from temperatures near the flash point. Store away from heat or direct sunlight.

**STABILITY:** Stable under normal conditions.

**POLYMERIZATION:** Product will not undergo polymerization.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon monoxide and Carbon dioxide.

**INCOMPATIBLE MATERIALS:** Oxidizers.

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## 11. TOXICOLOGICAL INFORMATION

### ACUTE

**EYES:** Not known.

**DERMAL LD<sub>50</sub>:** 200 mg/kg (intraperitoneal - mouse).

**SKIN ABSORPTION:** Not known.

**ORAL LD<sub>50</sub>:** Not known.

**INHALATION LC<sub>50</sub>:** Not known.

**EYE EFFECTS:** Not expected to irritate eyes.

**SKIN EFFECTS:** Not expected to irritate the skin.

**SENSITIZATION:** Not expected.

### CARCINOGENICITY:

**IARC:** Not listed.

**NTP:** Not listed.

**OSHA:** Not listed.

**MUTAGENICITY:** No data available.

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**REPRODUCTIVE EFFECTS:** No data available.

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## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** Prevent from entering bodies of water.

**ECOTOXICOLOGICAL INFORMATION:** No data available.

**CHEMICAL FATE INFORMATION:** No data available.

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## 13. DISPOSAL CONSIDERATIONS

**PRODUCT DISPOSAL:** Place waste in waste container and dispose in accordance with federal, state and local regulations. Obtain the consent of the local publically-owned treatment works before discharging waste to a publically-owned treatment facility.

**EMPTY CONTAINER:** Remove product residue and dispose of container at an approved waste handling facility.

**RCRA/EPA WASTE INFORMATION:** This material as a waste does not meet the federal definition of hazardous waste. State and local waste regulations should be reviewed as their rules regarding hazardous waste may be more stringent than the federal rules.

**RCRA HAZARD CLASS:** Non-hazardous.

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## 14. TRANSPORT INFORMATION

### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Not regulated.

**PRIMARY HAZARD CLASS/DIVISION:** Not regulated.

**MARINE POLLUTANT #1:** No data available.

### CANADA TRANSPORT OF DANGEROUS GOODS

**PROPER SHIPPING NAME:** Not regulated.

**PRIMARY HAZARD CLASS/DIVISION:** Not regulated.

### AIR (ICAO/IATA)

**PROPER SHIPPING NAME:** Not regulated.

**PRIMARY HAZARD CLASS/DIVISION:** Not regulated.

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## 15. REGULATORY INFORMATION

### UNITED STATES

#### SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

##### 311/312 HAZARD CATEGORIES:

**FIRE: NO PRESSURE GENERATING: NO REACTIVITY: NO ACUTE: NO CHRONIC: NO**

**313 REPORTABLE INGREDIENTS:** None.

##### 302/304 EMERGENCY PLANNING

**EMERGENCY PLAN:** Not applicable.

#### CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

**CERCLA REGULATORY:** Not applicable.

### EPA

**EPA RQ INGREDIENT:** None.

#### TSCA (TOXIC SUBSTANCE CONTROL ACT)

**TSCA REGULATORY:** This product or its components, are listed on, or are exempt from the Toxic Substance Control Act (TSCA) Chemical Substance Inventory.

**RCRA STATUS:** Not regulated as hazardous waste.

**CLEAN WATER ACT:** Not applicable.

**NATIONAL RESPONSE CENTER:** Not applicable.

**FIFRA (FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT):** Not applicable.

**SDWA (SAFE DRINKING WATER ACT):** Not applicable.

**FDA (FOOD AND DRUG ADMINISTRATION):** Generally recognized as safe (GRAS), 21 CFR 184.1505.

**DEA (DRUG ENFORCEMENT PRECURSOR & ESSENTIAL CHEMICALS) LISTED SUBSTANCE:** Not applicable.

**CLEAN AIR ACT**

**40 CFR PART 68---RISK MANAGEMENT FOR CHEMICAL ACCIDENT RELEASE PREVENTION:** Not applicable.

**OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)**

**29 CFR 1910.119---PROCESS SAFETY MANAGEMENT OF HIGHLY HAZARDOUS CHEMICALS:** Not applicable.

**CANADA**

**DOMESTIC SUBSTANCE LIST (INVENTORY):** Found on Domestic Substances List of Canada.

**CALIFORNIA PROPOSITION 65:** Not known to contain any listed Proposition 65 chemicals.

**16. OTHER INFORMATION**

**APPROVED BY:** Safety & Environmental Department

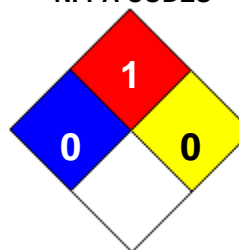
**PREPARED BY:** Safety & Regulatory Department

**REVISION SUMMARY** This MSDS replaces the February 13, 2003 MSDS.

**HMIS RATING**

<b>HEALTH:</b>		<b>0</b>
<b>FLAMMABILITY:</b>		<b>1</b>
<b>PHYSICAL HAZARD:</b>		<b>0</b>
<b>PERSONAL PROTECTION:</b>		

**NFPA CODES**



**HMIS RATINGS NOTES:** Refer to MSDS for appropriate Personal Protective Equipment (PPE).

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