

MATERIAL SAFETY DATA SHEET



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Revision No: 1

Capmul MCM (C10)

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Capmul MCM (C10)
GENERAL USE: For general information or product stewardship call 608-752-9007.
PRODUCT DESCRIPTION: Mono/diglycerides of capric acid
PRODUCT CODE: 8212
PRODUCT FORMULATION NAME: Capmul MCM (C10)

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> |
|----------------------------------|-------------|-------------|----------------|
| Mono/diglycerides of capric acid | | 26402-22-2 | |
| 1,2,3- Propanetriol | | 56-81-5 | 200-289-5 |

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Soft solid or liquid with fatty odor.

IMMEDIATE CONCERNS: Poses little or no immediate hazard.

POTENTIAL HEALTH EFFECTS

EYES: Not expected to cause serious irritation.

SKIN: No evidence of adverse effects from available information.

SKIN ABSORPTION: No data available.

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: No adverse symptoms expected.

SKIN: No adverse symptoms expected.

SKIN ABSORPTION: No data available.

INGESTION: No adverse symptoms are expected from available information.

INHALATION: Vapors and/or aerosols which may be formed at elevated temperatures may be irritating to eyes and respiratory tract.

ACUTE TOXICITY: No data available.

CHRONIC: None Expected.

CARCINOGENICITY: None Expected.

MUTAGENICITY: None expected.

REPRODUCTIVE TOXICITY

REPRODUCTIVE EFFECTS: None Expected.

TERATOGENIC EFFECTS: None expected.

MEDICAL CONDITIONS AGGRAVATED: No data available.

ROUTES OF ENTRY: Material in vapor form may enter the respiratory tract through inhalation. Material in liquid form is not likely to enter the body through the skin or eyes.

TARGET ORGAN STATEMENT: None known

CANCER STATEMENT: None known

IRRITANCY: May cause irritation of the eyes and respiratory tract at elevated temperatures.

SENSITIZATION: None known

HEALTH HAZARDS: NA = Not Applicable

PHYSICAL HAZARDS: May cause thermal burns to skin if material is heated to elevated temperatures.

4. FIRST AID MEASURES

EYES: Immediately flush eyes with water for at least 15 minutes. If irritation persists, get medical attention.

SKIN: Wash with soap and water. Wash affected area with water for at least 15 minutes.

INGESTION: Do not induce vomiting. Obtain medical attention.

INHALATION: Remove to fresh air. Get medical help if needed.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: > 150°C COC (Cleveland Open Cup)

FLAMMABLE CLASS: Not considered flammable, but is combustible.

EXTINGUISHING MEDIA: Dry chemical, CO₂, or Foam

HAZARDOUS COMBUSTION PRODUCTS: Carbon monoxide, Carbon dioxide.

HAZARDOUS DECOMPOSITION PRODUCTS: None Expected.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Stop spill at source. Soak up spill with non combustible absorbent. Place waste in a container for proper disposal.

LARGE SPILL: Stop spill at source. Dike area of spill to prevent spreading. Pump liquid into a container or absorb liquid with absorbent. Place absorbent in container for proper disposal.

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.

7. HANDLING AND STORAGE

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

HANDLING: Avoid breathing (dust, vapor, mist, gas). Keep container closed when not in use. Keep away from heat, sparks and flame.

STORAGE: Keep container closed when not in use. Avoid breathing (dust, vapor, mist, gas). Keep away from heat, sparks and flame.

STORAGE TEMPERATURE: Ambient.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Local exhaust ventilation is preferred. Mechanical ventilation may be required if material is heated.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Chemical splash goggles are recommended.

SKIN: Neoprene gloves.

RESPIRATORY: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

PROTECTIVE CLOTHING: Wear a work uniform or tyvek suit to protect self from mists.

WORK HYGIENIC PRACTICES: Remove clothing and launder or dispose in an approved waste disposal facility. Wash hands with soap and water after handling this product or clothing containing residual.

OTHER USE PRECAUTIONS: Use good chemical hygiene practices when handling this material.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Solid/Liquid

ODOR: Mild, fatty smell

VAPOR PRESSURE: <1 mm Hg @ 25 C

VAPOR DENSITY: >1 (air = 1)

BOILING POINT: Not determined.

MELTING POINT: Not determined.

SOLUBILITY IN WATER: Partially Soluble

SPECIFIC GRAVITY: Not Determined

VISCOSITY: Not determined.

10. STABILITY AND REACTIVITY

STABLE: YES

HAZARDOUS POLYMERIZATION: NO

CONDITIONS TO AVOID: Keep away from temperatures near the flash point. Store away from oxidizers.

STABILITY: Stable under normal conditions.

POLYMERIZATION: Not expected

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide and Carbon dioxide.

INCOMPATIBLE MATERIALS: Oxidizers.

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS: None known

SKIN EFFECTS: None known

SENSITIZATION: None known

CARCINOGENICITY:

IARC: NA = Not Applicable

NTP: NA = Not Applicable

OSHA: NA = Not Applicable

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Prevent liquid from entering bodies of water.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose according to federal, state, and local regulations. Use only licensed waste haulers and disposal contractors. Do not dispose of by means of sinks, drains, or in the immediate environment.

FOR LARGE SPILLS: Stop spill at source, dike area of spill to prevent spreading. Pump liquid to salvage tank. Absorb liquid on solid absorbent material and shovel into waste container. Prevent run-off to sewers, streams or other bodies of water.

PRODUCT DISPOSAL: Dispose according to federal, state, local regulations.

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

RCRA/EPA WASTE INFORMATION: This material as a waste may meet the definition of a hazardous waste. It is the responsibility of the user of this material to determine if a waste is hazardous.

RCRA HAZARD CLASS: Non-hazardous.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not regulated.

PRIMARY HAZARD CLASS/DIVISION: Not regulated.

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: Not expected

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

313 REPORTABLE INGREDIENTS: Not expected

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: None Expected.

CERCLA RQ: None Expected.

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.

OSHA HAZARD COMM. RULE: NA = Not Applicable

NATIONAL RESPONSE CENTER: Oil spills to navigable waterways may be reportable.

16. OTHER INFORMATION

APPROVED BY: Safety & Environmental Department

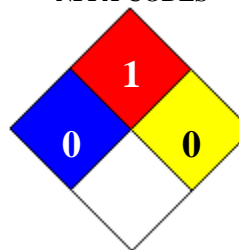
PREPARED BY: Safety Department

REVISION SUMMARY Revision #: 1 This MSDS replaces the February 20, 2007 MSDS. Any changes in information are as follows:

HMIS RATING

| | | |
|-----------------------------|--|----------|
| HEALTH: | | 0 |
| FLAMMABILITY: | | 1 |
| PHYSICAL HAZARD: | | 0 |
| PERSONAL PROTECTION: | | |

NFPA CODES



NFPA STORAGE CLASSIFICATION: Combustible.

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