

MATERIAL SAFETY DATA SHEET



SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: CAP18-ME™

GENERAL USE: Groundwater remediation.

SYNONYMS AND ALTERNATE TRADE NAMES: None.

SUPPLIER: DBI Remediation Products, LLC
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SECTION 2. COMPOSITION / INGREDIENTS

INGREDIENTS	CAS NUMBER	PERCENT
Mixed triacylglycerides, soybean oil	8001-22-7	80-100%
Methyl ester, soybean oil	67784-80-9	0-20%

SECTION 3. HAZARDS IDENTIFICATION

ACUTE HEALTH EFFECTS

EYES: This product may cause slight eye irritation.

SKIN CONTACT: This product may cause slight skin irritation.

INHALATION: High vapor or aerosol concentrations may be irritating to nose, throat, and upper respiratory tract.

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

CHRONIC HEALTH EFFECTS

This material does not contain any chemical listed as a carcinogen or potential carcinogen by OSHA.

SECTION 4. FIRST AID MEASURES

EYES: Flush with large quantities of water for at least 15 minutes. If irritation persists, seek medical attention.

SKIN: Wash exposed area. If irritation persists, seek medical attention.

INGESTION: If ingestion of large amount occurs, seek medical attention. Do not induce vomiting.

INHALATION: Remove individual to fresh air and seek medical attention.

SECTION 5. FIRE FIGHTING MEASURES

FLAMMABILITY CLASSIFICATION: Combustible liquid – Class IIIB.

FLASH POINT: Greater than 201°F (PMCC method).

EXTINGUISHING MEDIA: Dry chemical, water fog, carbon dioxide, foam, or Type K fire extinguishers.

FIRE / EXPLOSION HAZARDS: Rags or waste paper soaked with this material may heat and burn spontaneously. Not an explosion hazard.

FIRE FIGHTING PROCEDURES: Use of self-contained breathing apparatus is recommended. Apply water fog or mist gently. Avoid heavy application of water as it may cause oil to foam or may spread fire by dispersing oil. Avoid contact with hot oil.

HAZARDOUS DECOMPOSITION PRODUCTS: None.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Ventilate spill area. Eliminate all ignition sources. Don personal protective equipment as described in Section 8. Surfaces will be slippery after spillage. Spilled material can be absorbed with earth, sand, vermiculite, cat litter, or other absorbent. Clean area with detergent and water. Large spills can be diked and squeegeed or pumped into a container. All disposals should be in accordance with local, state, and federal agency procedures.

SECTION 7. HANDLING AND STORAGE

HANDLING: Wash thoroughly after handling. Keep containers closed. As with all chemicals, good industrial hygiene practices should be followed when handling this material.

STORAGE: Store in ventilated, dry location. Do not handle or store near open flame, heat, or other ignition sources. Avoid storage near strong acids and oxidizers. Recommended storage temperatures are 65-85°F. Soaked rags or paper may spontaneously combust; do not store rags or paper under high temperature and/or closed conditions in the presence of oxygen.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS: As an oil mist - 15 mg/m³ and 5 mg/m³ respirable (OSHA).

ENGINEERING CONTROLS: Provide mechanical local and/or general ventilation.

PERSONAL PROTECTIVE EQUIPMENT

EYES: Use safety glasses or goggles.

RESPIRATORY: Not normally needed. If mists are present use a NIOSH-approved respirator for organic vapors.

SKIN PROTECTION: Wear rubber or neoprene gloves and footwear, and otherwise normal work clothing.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Pale yellow, slightly viscous, oily liquid.

ODOR: Faint, bland to slightly sweet odor.

pH: Not applicable.

PERCENT VOLATILE: Not available.

VAPOR PRESSURE: Not available.

VAPOR DENSITY: Estimated heavier than air.

BOILING POINT: Not available.

MELTING POINT: Not applicable (liquid at standard conditions).

SOLUBILITY: Insoluble.

EVAPORATION RATE: Not applicable.

SPECIFIC GRAVITY: Approximately 0.92 (water = 1).

SECTION 10. STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions. Soaked rags or paper may spontaneously combust (see Section 5).

CONDITIONS TO AVOID: Heat and exposure to strong acids or oxidizers. High surface area exposures (such as soaked rags or paper) exposed to oxygen can result in polymerization and heat production.

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: Methanol may be formed by hydrolysis or saponification.

INCOMPATIBLE MATERIALS: Strong acids and oxidizers.

SECTION 11. TOXICOLOGICAL INFORMATION

No component is a known or suspected carcinogen or mutagen. The following data are available for individual components:

EYE EFFECTS: Minimally irritating.

SKIN EFFECTS: Non-irritating.

DERMAL LD₅₀: Minimum of >2000 mg/kg (rabbit).

ORAL LD₅₀: Minimum of >5000 mg/kg (rat).

SECTION 12. ECOLOGICAL INFORMATION

No data available.

SECTION 13. DISPOSAL CONSIDERATIONS

Dispose in accordance with regulatory agency requirements.

SECTION 14. TRANSPORT INFORMATION

DOT CLASSIFICATION: Not a DOT controlled material.

SECTION 15. REGULATORY INFORMATION

All components are listed on the TSCA inventory. There is no calculable reportable quantity for this product.

SECTION 16. OTHER INFORMATION

Maximum NFPA Ratings for All Components:

Health = 0 Flammability = 1 Reactivity = 0 Special = None

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