

MATERIAL SAFETY DATA SHEET

SECTION 1 MATERIAL IDENTIFICATION

Material/Trade Name: OLEOCAL ME-130
Synonyms: METHYL SOYATE
Chemical Family/Formula: METHYL ESTER OF
SOYA OIL

SOYsolv[®]
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SECTION 2 INGREDIENTS

Chemical Name: MIXED FATTY ACID METHYL ESTERS

CAS NO: 67784-80-9

62.4% Linoleic	22.5% Oleic	8.5% Palmitic	3.2% Linolenic
	3.0% Stearic	0.3% Palmitoleic	0.1% Erui

SECTION 3 PHYSICAL DATA

Boiling Point, 760 mm Hg: >420° F

Specific Gravity (H₂O=1): 0.88

Vapor Pressure, mm Hg: <1

Vapor Density, Air=1: >1

Appearance and Odor: yellow liquid, mild fatty odor

Volatiles, % by Volume: <2%

Solubility in H₂O, % by Volume: insoluble

Evaporation Rate, Butyl Acetate=1: .0098

SECTION 4 FIRE & EXPLOSION DATA

Flash Point (Method Used): >650° F Open Cup; >300° F Closed Cup

LEL: N/A

UEL: N/A

Flammability Limits: None known

Extinguishing Media: Dry chemical, foam, halon CO₂, water spray (fog). Water stream may splash burning liquid and spread fire.

Special Fire Fighting Procedures: Use water spray to cool drums exposed to fire.

Unusual Fire and Explosion Hazards: Firefighters should use self-contained breathing apparatus to avoid exposure to smoke and vapors.

SECTION 5 REACTIVITY DATA

Stability: Stable

Hazardous Polymerization: Will not occur.

Conditions and Materials to Avoid: Strong oxidizing agents.

Hazardous Decomposition Products: combustion produces carbon monoxide, carbon dioxide with thick smoke.

SECTION 6 OCCUPATIONAL EXPOSURE LIMITS

No TLV has been set for this product. As with all industrial materials, exposure of this product to the skin and eyes should be avoided.

SECTION 7 HEALTH INFORMATION

Inhalation hazard is negligible unless heated to produce vapors or as a mist. Vapors or finely misted materials may irritate the mucous membranes and cause irritation, dizziness and nausea. Remove to fresh air.

Eye contact may cause irritation. Irrigate eye with water for at least 15 to 20 minutes. Seek medical attention if symptoms persist.

Prolonged or repeated contact with the skin is not likely to cause significant skin irritation. Material is sometimes encountered at elevated temperatures. Thermal burns are possible.

No hazards anticipated from ingestion incidental to industrial exposure.

SECTION 8 EMERGENCY & FIRST AID PROCEDURES

Eyes: Irrigate eyes with water for at least 15 to 20 minutes.

Skin: Wash exposed areas of the body with soap and water.

Inhalation: Remove from area of exposure; seek medical attention if symptoms persist.

Ingestion: Give one or two glasses of water to drink. If gastro-intestinal symptoms develop, consult medical personnel. (Never give anything by mouth to an unconscious person.)

SECTION 9 EMPLOYEE PROTECTION

Respiratory Protection: If vapors or mists are generated, wear a NIOSH approved organic vapor/mist respirator.

Protective Clothing: Safety glasses, goggles or face shield recommended to protect eyes from mists or splashing. PVC coated gloves recommended to prevent skin contact.

Other Protective Measures: Employees must practice good personal hygiene, washing exposed areas of the skin several times daily and laundering contaminated clothing before re-use.

SECTION 10 ENVIRONMENTAL PROTECTION

Spill Cleanup Procedures: Remove sources of ignition, contain spill to smallest area possible. Stop leak if possible. Pick up small spills with absorbent materials such as paper towels, "Oil Dry", sand or dirt. Recover large spills for salvage or disposal. Wash hard surfaces with safety solvent or detergent to remove remaining oil film. Greasy nature will result in a slippery surface.

Waste Disposal: Waste may be disposed of by a licensed waste disposal company. Contaminated absorbent materials may be disposed of in an approved land fill. Follow local, state and federal disposal regulations.

Environmental Hazards: None

SECTION 11 SPECIAL PRECAUTIONS

Store in closed containers between 50° F – 120° F.

Keep away from oxidizing agents, excessive heat and ignition sources.

Store and use in well ventilated areas.

Do not store or use near heat, sparks, or flame; store out of sun.

Do not puncture, drag, or slide this container.

Drum is not a pressure vessel; never use pressure to empty.

SECTION 12 TRANSPORTATION REQUIREMENTS

DOT Shipping Name: Fatty Acid Ester

DOT I.D. #: 144920

DOT Classification: Class 65

UN Hazard Class: N/A

SECTION 13 OTHER REGULATORY CONTROLS

OSHA STATUS:

This product is not hazardous under the criteria of the Federal OSHA Hazard communication Standard 29 CFR 1910.1200. However, thermal processing and decomposition fumes from this product may be hazardous as noted in Sections 2 and 7.

TSCA STATUS:

This product is listed on TSCA.

CERCLA: (Comprehensive Response compensation, and Liability Act)

NOT reportable.

SARA TITLE III (Superfund Amendments and Reauthorization Act)

Section 312 Extremely Hazardous Substances: None

Section 311/312 Hazard Categories: Non-hazardous Under Section 311/312

Section 313 Toxic chemicals: None

RCRA STATUS:

If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

CALIFORNIA PROPOSITION 65

The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986. The product contains no chemicals known to the State of California to cause cancer.