

Material Safety Data Sheet

Effective Date: 15-NOV-2010  
Product: M.O.C. - Methylated Oil Concentrate

I. IDENTIFICATION

Chemical Name: Soybean Oil  
Chemical Family: Methylated Ester of Soya Oil  
Formula: Not applicable, formulated mixture.  
Synonyms: Methylated Seed Oil  
CAS Number: Not applicable, formulated mixture.  
EPA Number: None required

II. PHYSICAL DATA

Boiling Point: >200 Degrees F.  
Freezing Point: Not determined  
Spec Gravity: 0.891 gms/cc  
Vapor Pressure: <1 mm/Hg  
Vapor Density: >1  
Solubility: Dispersible  
Volatiles: <2  
Evaporation: <1  
Melting Point: Not applicable  
Appearance: Clear, pale yellow liquid with fatty odor.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
Methylated Soybean Oil, Alkylphenol Ethoxylate		100.00	N/E	Skin & eye irritant.

IV. FIRE AND EXPLOSION HAZARD

Flash Point: >250 Degrees F.  
Autoignition Temp: Not determined  
Flammable Limit: Not determined  
Extinguishing Media: Use foam, dry chemical, carbon dioxide or  
water extinguishing agents.  
Special Fire Fight Proc: Wear self-contained, positive-pressure air  
supply. Avoid getting water from fire  
fighting in domestic or irrigation water  
supplies.  
Fire and Expl Hazard: None currently known.

Material Safety Data Sheet

Effective Date: 15-NOV-2010  
Product: M.O.C. - Methylated Oil Concentrate

-----  
-----  
V. HEALTH HAZARD  
-----

Carcinogen Information: See Carcinogen Note, Section IX.

ACUTE EFFECTS OF OVER EXPOSURE  
-----

Swallowing: May cause nausea, vomiting, diarrhea, and abdominal discomfort if ingested.  
Skin Absorption: No hazard anticipated.  
Inhalation: May cause irritation to the eyes, nose, throat, and respiratory tract if spray mist is inhaled.  
Skin contact: Prolonged skin contact may cause irritation.  
Eye Contact: Direct eye contact may cause irritation.  
Chronic Effects: None currently known.  
Other Hazard: None currently known.

EMERGENCY AND FIRST AID PROCEDURES  
-----

Swallowing: Sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or physician. Do not give anything by mouth to an unconscious person.  
Skin: Remove contaminated clothing. Rinse skin immediately with plenty of water, continuing for 15 to 20 minutes. Seek medical attention if irritation develops.  
Inhalation: Move to fresh air. If irritation persists, seek medical attention.  
Eyes: Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing the eye. Seek medical attention if irritation develops or persists.  
Notes to Physician: In the event of an adverse response, treatment should be directed toward control of the symptoms and the clinical condition of the patient.

-----

Material Safety Data Sheet

Effective Date: 15-NOV-2010

Product: M.O.C. - Methylated Oil Concentrate

-----  
VI. REACTIVITY  
-----

Stability: Stable

Conditions to Avoid: Avoid exposure to prolonged excessive heat and strong oxidizing agents.

Polymerization: Will Not Occur

Conditions to Avoid: None currently known.

Incompatibility material: Avoid strong acids, gases and oxidizers.

Hazardous Combustion: May emit carbon monoxide and carbon dioxide under fire conditions.

-----  
VII. SPILL OR LEAK PROCEDURES  
-----

Spill or Leak Proc: Material should be collected and disposed of in proper manner. Avoid discharging this product to natural waters, drains, or sewers. Absorb spilled product with an inert material, such as sand, soil, or vermiculite. Wear suitable protective equipment.

Waste Disposal Method: This material must be disposed of according to Federal, State or Local procedures under the Resource Conservation and Recovery Act.

-----  
VIII. SPECIAL PROTECTION INFORMATION  
-----

Respiration: Wear a NIOSH-approved respirator if needed.

Ventilation: Normal room ventilation (mechanical) should be satisfactory.

Gloves: Rubber gloves.

Eyes: Wear goggles or a face shield.

Other: Eyewash station, emergency shower, impervious apron and footwear.

-----  
IX. SPECIAL PRECAUTIONS  
-----

Special precaution: Keep out of reach of children. Do not store with food, feed or other material to be used or consumed by humans or animals. Do not contaminate water supplies, lakes, streams, ponds or drains with this product.

Other precaution: Carcinogen Note: WARNING! This product

Helena Chemical Company  
PH: 901-761-0050  
CHEMTREC: 800-424-9300

15-NOV-2010 16:22:27  
Page 4 Of 4

Material Safety Data Sheet

Effective Date: 15-NOV-2010

Product: M.O.C. - Methylated Oil Concentrate

-----  
contains a detectable amount of ethylene  
oxide, which is known to the State of  
California to cause cancer and/or  
reproductive toxicity.  
-----

X. SHIPPING INFORMATION

-----  
Shipping name: Not regulated by DOT, IATA or IMDG.  
Hazard Class: None  
Identification No: None  
Labels Required: None required  
Placarding: None  
Freight Class: Adhesives, Adjuvants, Spreaders or  
Stickers, Liquid, N.O.I. (NMFC Item 4610,  
Class 60)  
-----

Chemical Name	Equivalent R.Q.
-----	-----
Not applicable	Not applicable

XI. GENERAL PRODUCT INFORMATION

-----  
National Fire Protection Association Rating:  
(Rating level: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

Health: 1                      Fire: 1                      Reactivity: 0

S.A.R.A. Title III Hazard Classification: (Yes/No)

Immediate (Acute) Health: Y	Delayed (Chronic) Health: N
Sudden Release of pressure: N	Fire: N
Reactive: N	

-----  
Mail inquiries to: 225 Schilling Blvd., Suite 300 Collierville, TN 38017  
Helena Chemical Company believes that the data contained herein is  
factual. This data is not to be taken as a warranty or representation of  
legal responsibility. It is offered solely for your consideration,  
investigation and verification.