

Safety Data Sheet

Chem-Oil 83

SDS Number: 10410
 SDS Prepared: 02/15/1986
 SDS Version: 3.0
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1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Chem-Oil 83
CHEMICAL NAME: Solvent Refined Paraffinic Distillates, Mixture of Surfactants
CHEMICAL FAMILY: Petroleum Hydrocarbon, Emulsifier
SYNONYMS: Agricultural Oil, Crop Oil
COMMON NAME: Agricultural Oil, Crop Oil
EPA REGISTRATION NUMBER: Not Applicable

Manufactured by:
 Coastal AgroBusiness Inc.
 PO Box 856
 Greenville, NC 27835
 Phone: 1-800-635-1388

Emergency Telephone Numbers
 Chemtec (24 hours)
 1800-424-9300
 Coastal AgroBusiness, Inc. (Weekdays – Eastern Standard Time)
 1-800-635-1388

2. HAZARDS IDENTIFICATION SUMMARY

KEEP OUT OF REACH OF CHILDREN – CAUTION- Chem-Oil 83 increases the activity of pesticides. In spraying of new varieties or highly inbred lines, a test area is recommended. Use care during periods when pesticides are more active such as very hot and humid conditions. Keep container tightly closed and DO NOT allow water to be introduced to contents of the container.

This product is a clear, colorless to yellow liquid with a slight fatty odor. Primary routes of entry are eye contact and skin contact

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Ingredients:</u>	<u>Percentage by Weight:</u>	<u>CAS No.</u>	<u>PEL/TLV</u>
Solvent Refined Heavy Paraffinic Petroleum Oil	0-24.9%%	64741-88-4	5 mg/m ³ /5 mg/m ³
Solvent Refined Light Paraffinic Petroleum Oil	58.1%-83%	64741-89-5	5 mg/m ³ /5 mg/m ³
Emulsifier Mixture	17%	n/a	NOL/NOL

Note: This product may contain trace amounts of residual ethylene oxide. See comments section for further details.

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least fifteen minutes, holding eyelids apart to ensure flushing of the entire eye surface. Do not let victim rub eyes. Seek medical attention.
SKIN: Remove contaminated clothing. Wash thoroughly with soap and water until no odor remains. If redness or swelling develops, obtain medical assistance. Wash clothing before use.

INGESTION: Do not induce vomiting. Do not give liquids. Obtain medical attention. Small amounts which accidentally enter mouth should be rinsed out until taste of it is gone.

INHALATION: Remove person from area of exposure. Give artificial respiration if necessary. If breathing is difficult, give oxygen if qualified operator is available. Seek immediate medical attention.

5. FIRE FIGHTING MEASURES

FLASH POINT (°F/Test Method): 316.2°F (157.9°C)

FLAMMABLE LIMITS (LFL & UFL): Not Applicable

EXTINGUISHING MEDIA: Water spray or fog, regular foam, dry chemical, CO₂, sand/earth

HAZARDOUS COMBUSTION PRODUCTS: Combustion may produce CO, CO₂, and other asphyxiants.

SPECIAL FIRE FIGHTING PROCEDURES: Evacuate area and fight fire upwind from a safe distance to avoid possible hazardous vapors and decomposition products. Fire exposed containers can build pressure and should be kept cool with water spray if possible. Use SCBA and full fire fighting turn-out gear.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Small spills: Absorb small spills with sand, vermiculite or other inert absorbent. Place contaminated material in appropriate container for disposal.

Large Spills: Dike large spills using absorbent or impervious material such as clay or sand. Recover and contain as much free liquid as possible for reuse. Allow any absorbed material to solidify, and scrape up for disposal. After removal, scrub the area with detergent and flush with water.

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water. Material is slippery when wet.

7. HANDLING AND STORAGE

HANDLING: Use only in well ventilated area. Loosen closure cautiously before opening as contents may develop pressure upon prolonged storage. Never siphon by mouth.

STORAGE: NFPA Class IIIB storage. Wash thoroughly after handling. Do not contaminate water, food or feed by storage or disposal. Store in a cool, dry area. Keep container tightly closed and DO NOT allow water to be introduced to contents of the container.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

THRESHOLD LIMIT VALUE: 5 mg/m³

PERMISSIBLE EXPOSURE LIMIT: 5 mg/m³

SIGNS AND SYMPTOMS OF EXPOSURE: Excessive exposures may cause irritation to eyes, nose, throat and lungs.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Skin disorders, respiratory, pulmonary and lung disorders.

PRIMARY ROUTES OF ENTRY: Inhalation, absorption.

ENGINEERING CONTROLS: Ventilate as needed to comply with exposure limit. Work upwind in outside batch operations. Indoor work areas should be contained and provided with local or mechanical exhausts.

RESPIRATORY PROTECTION: Concentration in air determines protection needed. Usually not needed unless product is heated or misted. Use half-mask air purifying respirator with dust/mist filters or HEPA filter cartridges to 50X the exposure limit. Protection by air purifying respirators is limited. Use positive pressure-demand full-face supplied air respirator or SCBA for exposures > 50X the

	exposure limit. If exposure is above IDLH, there is the possibility of an uncontrolled release or exposure levels are unknown then use a positive pressure-demand full-face supplied air respirator with escape bottle or SCBA. Use only NIOSH certified respiratory protection.
EYE PROTECTION:	Avoid contact with eyes. Wear full face shield or chemical splash goggles when handling. Do not wear contact lenses.
SKIN PROTECTION:	Avoid contact with skin. USDA accepted polyvinyl chloride (PVC), neoprene, nitrile, polyvinyl alcohol, or viton gloves are recommended. Wear appropriate clothing to prevent repeated or prolonged skin contact.
OTHER:	If contact is unavoidable, wear chemical resistant clothing. The following materials are acceptable as protective clothing materials: polyvinyl alcohol (PVA), polyvinyl chloride (PVC), neoprene, nitril, viton, polyurethane, launder soiled clothes.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND COLOR:	Clear, colorless to yellow liquid with slight fatty odor.
SPECIFIC GRAVITY: (Water=1):	0.873
VAPOR PRESSURE:	<0.0001mm Hg @ 20°C
VAPOR DENSITY (Air = 1):	10
% VOLATILITY (V/V):	0.7%
BOILING POINT:	Not Determined
MELTING POINT:	Not Applicable
SOLUBILITY:	Emulsifies
pH:	Not Determined
VISCOSITY @ 100°F:	68 SUS @ 100°F , 11.6 cStokes @ 40°C

Note: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

10. STABILITY AND REACTIVITY

STABILITY:	Stable under normal conditions
CONDITIONS TO AVOID:	Excessive heat or fire
INCOMPATIBILITY:	Strong oxidizers such as hydrogen peroxide, bromine, chromic acid
HAZARDOUS DECOMPOSITION PRODUCTS:	Combustion may produce CO, CO ₂ , and other asphyxiants.
HAZARDOUS POLYMERIZATION:	Will not occur

11. TOXICOLOGICAL INFORMATION

ACUTE ORAL LD₅₀:	LD ₅₀ 30+ g/kg Pulmonary aspiration hazard if swallowed and/or vomiting occurs-can enter lungs and cause damage.
EYE IRRITATION:	Practically non-irritating on contact.
INHALATION LC₅₀:	Low acute toxicity. Overexposure to mist may cause eye, nose, throat, respiratory tract irritation.
CARCINOGENETIC POTENTIAL:	This product is not carcinogenic teratogenic or mutagenic as determined by OSHA, NTP, or IARC.
ACUTE DERMAL LD₅₀:	Practically non-toxic if absorbed. (LD ₅₀ >2000 mg/kg) Mild irritation with prolonged or repeated contact.
SKIN IRRITATION/SENSITIZATION:	Moderate/mild irritation with prolonged or repeated contact.

12. ECOLOGICAL INFORMATION

This pesticide is toxic to fish. Do not apply directly to water, or to areas where surface water is present. Do not contaminate water when disposing of equipment wash waters.

13. DISPOSAL CONSIDERATIONS

Do not reuse container. Place in trash or offer for recycling. Incinerate contaminated solids in accordance with local, state, and federal regulations.

Waste Disposal Methods: Follow Federal, State and Local regulations. Not a RCRA hazardous waste if uncontaminated. If material cannot be used as directed by label then RCRA criteria (ignitability, reactivity, corrosiveness, toxicity characteristics) must be determined and material must be disposed of accordingly. Do not flush to drain/storm sewer.

14. TRANSPORTATION INFORMATION

D.O.T. Shipping Description: NOT REGULATED BY DOT BY HIGHWAY.
Consult appropriate ICAO/IATA and IMDG regulations for shipment requirements in the Air and Maritime shipping modes.

15. REGULATORY INFORMATION

NFPA & HMIS Hazard Ratings:

NFPA

0 Health
1 Flammability
0 Reactivity

HMIS

0 Health
1 Flammability
0 Reactivity
C PPE

SARA Hazard Notification/Reporting SARA Title III Hazard Category:

Immediate: N
Delayed: N
Sudden Release of Pressure: N
None

Fire: N
Reactive: N

Reportable Quantity (RQ) under U.S.

CERCLA:

SARA, Title III, Section 313:

Contains no chemical subject to SARA 313

SARA, Title III, Section 302:

EHS

None

TPQ

10,000 lbs.

RCRA Waste Code:

Not listed

CA Proposition 65:

Not listed

16. OTHER INFORMATION

SDS STATUS: Updated
REASON FOR CHANGE: To meet new regulatory requirements
PREPARED BY: Tandy O. Dunn, Director of Health, Safety & Environmental Affairs

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