

**Section 1 – CHEMICAL PRODUCT AND COMPANY INFORMATION****MANUFACTURED FOR:**

Mar Vista Resources  
745 North Ave.  
Corcoran, CA 93212

**EMERGENCY TELEPHONE NO.:**

DAYS: (559) 992-4535  
24 Hour Emergency HAZMAT Response: (800) 229-5252  
EPA National Response Center: (800) 424-8802

**PRODUCT NAME:** Crop Oil

**COMMON NAME:** Nonionic Surfactant

**CHEMICAL DESCRIPTION:** Mixture of paraffinic petroleum Oil and Polyglycerol Esters of Fatty Acids

**PRODUCT SYNONYMS:**

**CHEMICAL NAME/CLASS:** Emulsifier

**PRODUCT USE:** Agricultural Applications

**Section 2 – HAZARDS IDENTIFICATION****EMERGENCY OVERVIEW**

**APPEARANCE:** Clear Yellow

**ODOR:** Petroleum Distillate Odor

**PHYSICAL FORM:** Liquid

**SIGNAL WORD:** None

**EMERGENCY OVERVIEW:** Keep out of reach of children. Primary routes of entry are inhalation, eye contact and skin contact.

**SYMPTOMS OF OVEREXPOSURE BY ROUTE OF EXPOSURE:** The primary routes of overexposure for this material are via inhalation and contact with skin and eyes. The following paragraphs describe the symptoms of overexposure to this material.

**INHALATION:** Product may be irritating to the nose, throat and respiratory tract.

**CONTACT WITH SKIN:** May cause symptoms of skin irritation such as reddening, and itching. May cause allergic contact dermatitis with repeated exposure.

**CONTACT WITH EYES:** Causes severe irritation, and reddening. May cause pain and swelling.

**INGESTION:** Large quantities may cause nausea, vomiting and cramps.

**CHRONIC EXPOSURE:** Not Available

**ACUTE:** Not Available

HEALTH: 1

REACTIVITY: 0

FLAMMABILITY: 0

ENVIRONMENT: 0

(0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme)

**Section 3 - COMPOSITION/INFORMATION ON INGREDIENTS****INGREDIENT NAME****CAS REGISTRY NUMBER****TYPICAL WT/VOLUME**

Paraffinic Petroleum Oil

64741-88-4

Polyglycerol Esters of Fatty Acids

68650-28-2

**Section 4 – FIRST AID MEASURES**

**SKIN EXPOSURE:** Contact can irritate the skin. Flush skin with running water and wash with soap. Remove contaminated clothing and shoes. If irritation persists, obtain medical attention.

**EYE EXPOSURE:** Immediately flush eyes with running water for a minimum of 20 minutes. Hold eyelids open during flushing. If irritation persists, obtain medical attention.

**INHALATION:** Move victim to fresh air. Get medical attention for breathing difficulty.

**INGESTION:** Have victim rinse mouth with water. If conscious, give large quantity of water. Immediately seek medical attention. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or unable to swallow.

**Section 5 – FIRE FIGHTING MEASURES**

**FLASH POINT:** >200°F

**TEST METHOD:** ASTM D-56

**AUTOIGNITION TEMPERATURE:** Not pertinent.

**FLAMMABLE LIMITS (in air by volume, %):** Lower (LEL): Not applicable.

# SAFETY DATA SHEET

Crop Oil

Upper (UEL): Not applicable.

## FIRE EXTINGUISHING MATERIALS:

Carbon Dioxide: YES  
Dry Chemical: YES

Foam: YES

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Burning may generate carbon monoxide, phenols and possibly other toxic fumes. Not generally considered an explosion hazard.

**HAZARDOUS COMBUSTION PRODUCTS:** None

**SPECIAL FIRE-FIGHTING PROCEDURES:** Wear protective clothing and NIOSH-approved self-contained apparatus operated in positive pressure mode. Use water spray to cool containers exposed to fire. Remain upwind. Avoid breathing smoke.

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## Section 6 – ACCIDENTAL RELEASE MEASURES

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### STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Contain all spills and leaks to prevent discharge into the environment. If spilled, use appropriate absorbent material to absorb the spilled material and flush spilled are with water. Check local, state, and federal waste regulations for proper disposal.

**CAUTION:** Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

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## Section 7 – HANDLING AND STORAGE

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**WORK PRACTICES AND HYGIENE PRACTICES:** Wear appropriate Personal Protection Equipment. As with all chemicals, avoid getting this product on you or in you. Wash hands after handling this product. Do not eat, drink, smoke or apply cosmetics while handling this product. All work practices should minimize the generation of spills, splashes and aerosols. Remove contaminated clothing immediately.

**STORAGE AND HANDLING PRACTICES:** Avoid breathing dust or mists generated by this product. Use in a well-ventilated location. Containers of this product must be properly labeled. Empty containers may contain residual product. Therefore, empty containers should be handled with care. Store containers in a cool, dry location. Inspect all incoming containers before storage, to ensure containers are properly labeled and not damaged.

Transfer product using chemical-resistant plastic or stainless steel tanks, pumps, valves, etc.

**PROTECTIVE PRACTICES DURING MAINTENANCE OF CONTAMINATED EQUIPMENT:** Follow practices indicated in Section 8 (Accidental Release Measures). Make certain that application equipment is locked and tagged-out safely if necessary. Collect all spills, residues, and rinsates, and dispose according to applicable U.S. Federal, State, or local procedures, or the applicable Canadian standards.

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## Section 8 – EXPOSURE CONTROL, PERSONAL PROTECTION

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**VENTILATION AND ENGINEERING CONTROLS:** Use adequate local or general ventilation where necessary to maintain the concentrations well below the recommended occupational exposure limits. Ensure the eyewash stations and safety showers are proximal to the work area.

**RESPIRATORY PROTECTION:** Generally not required due to low volatility. If a mist or airborne particles will exceed the approved exposure limits, wear a full face-piece respirator approved by MSHA/NIOSH.

**EYE PROTECTION:** Wear face-shield and splash goggles, to prevent contact with this product. As a general rule, do not wear contact lenses when handling.

**HAND PROTECTION:** Wear appropriate non-porous gloves for routine handling of the material to prevent contact.

**BODY PROTECTION:** Industrial coverall, safety boots.

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## Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

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**VAPOR DENSITY:** >1.0

**BULK DENSITY:** 7 lbs/gallon

**SOLUBILITY IN WATER:** Forms Emulsion

**VAPOR PRESSURE:** 760 mm Hg

**ODOR THRESHOLD:** No Data

**SPECIFIC GRAVITY:** Not Available

**APPEARANCE AND ODOR:** Clear Amber Liquid

**EVAPORATION RATE (n-BuAc = 1):** Not Applicable

**FREEZING POINT or RANGE:** Not Available

**BOILING POINT:** Decomposes

**pH @ 15°C (59°F):** Not Available

**LOG WATER/OIL DISTRIBUTION COEFFICIENT:** Not Available

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## Section 10 – STABILITY AND REACTIVITY

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**STABILITY:** Generally considered stable.

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**HAZARDOUS DECOMPOSITION PRODUCTS:** Burning may generate carbon monoxide, phenols, and possibly other toxic fumes.

**MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE:** Strong acids, bases, and oxidizers.

**CONDITIONS TO AVOID:** Incompatibles

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## Section 11 – TOXICOLOGICAL INFORMATION

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**CARCINOGENICITY:** Not Available

**REPRODUCTIVE EFFECTS:** Not Available

**MUTAGENICITY:** Not Available

**TERATOGENICTY:** Not Available

Ingredient	Test	Result	Route	Species
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## Section 12 – ECOLOGICAL INFORMATION

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**Alga/Lemna Growth Inhibition:** Not Known

**Toxicity to fish and Invertebrates:** Not Known

**Toxicity to Plants:** Not Known

**Toxicity to Birds:** Not Known

**BOD5 and COD:** Not available.

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## Section 13 – DISPOSAL CONSIDERATIONS

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Do not reuse container. Plastic Jugs: Triple rinse (or equivalent), then offer for recycling at an ACRC site or by reconditioning, or puncture and dispose of in a sanitary landfill or by other procedures approved by local, state and federal regulations.

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## Section 14 – TRANSPORT INFORMATION

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**DOT Shipping Description:** Not regulated by DOT by highway.

**Other Shipping Information:** Adhesives, Adjuvant, Spreaders or Stickers, Liquid.

NMFC Item 4612, LTL Class 60.

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## Section 15 – REGULATORY INFORMATION

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**SARA Hazard Notification/Reporting:**

<b>SARA Title III Hazard Category:</b> Immediate Health	<b>No</b>
Delayed Health	<b>No</b>
Fire	<b>No</b>
Reactive	<b>No</b>
Sudden Release of Pressure	<b>No</b>

**CERCLA:** None

**SARA, Title III, Section 313:** None

**CA Proposition 65:** Not listed

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