



COCOBEAR™

1. PRODUCT AND COMPANY IDENTIFICATION

MATERIAL NAME: COCOBEAR™
MANUFACTURER: Clarke Mosquito Control Products, Inc.
675 Sidwell Court
St. Charles, IL 60174
Manufacturer's Phone Number: (630) 894-2000
INFOTRAC (Transportation/Spill Emergency): 1-800-553-5053
PROSAR (Medical Emergency): 1-800-214-7753
PRODUCT USE: Insecticide, Mosquito Larvicide Oil
EPA REGISTRATION NUMBER: 8329-93
SYNONYM(s): None

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW CAUTION. Harmful if swallowed. If ingested, this material presents an aspiration pneumonia hazard.

POTENTIAL HEALTH EFFECTS

Eyes Accidental exposure may cause a mild but transient irritation
Skin Prolonged or repeat dermal exposure may cause mild temporary irritation
Inhalation Inhalation of vapors or mists may be irritating to the respiratory tract
Ingestion Harmful if swallowed. Aspiration pneumonia hazard. Ingestion of large amounts may produce gastrointestinal disturbances including irritation, nausea, and diarrhea

3. COMPOSITION / INFORMATION ON INGREDIENTS

| Components | Wt. % | CAS | PEL-TWA |
|-------------------------------------|-------|------------|-----------|
| White Mineral Oil | 10% | 8042-47-5 | 5 mg/m3 |
| Fatty acids, C10-C16, methyl esters | >80% | 67762-40-7 | not known |

COMMENTS: Ingredients not identified are proprietary and non-hazardous. Values are not product specifications.

4. FIRST AID MEASURES

Eye contact Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing the eye. Call a poison control center or a doctor for treatment advice.
Skin contact Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
Inhalation Remove to fresh air. If not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth. Call a poison control center or doctor for further treatment advice.
Ingestion If swallowed, DO NOT induce vomiting. Get medical attention immediately. Never give anything by mouth to a victim who is unconscious or is having convulsions.
Notes to Physician The decision to induce vomiting should be made by an attending physician. If ingested, this material presents aspiration and chemical pneumonitis hazard. Induction of emesis is not recommended. Consider activated charcoal and/or gastric lavage.

5. FIRE FIGHTING MEASURES

FLASHPOINT / METHOD > 95°C (203 °F) Tag Closed Cup
FLAMMABLE CLASS This product is not classified as flammable or combustible
EXTINGUISHING MEDIA SMALL FIRES: Use CO2 or dry chemical.
LARGE FIRES: Use foam
Cool containers with flooding quantities of water until well after fire is out.
FIREFIGHTER PROTECTION Use self-contained breathing apparatus and protective clothing.
Specific Hazards Carbon monoxide with incomplete combustion.
Unusual Fire & Explosion Hazards Porous material such as rags, paper, insulation, or organic clay wetted with this material

COCOBEAR™

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS Wear suitable protective clothing.

ENVIRONMENTAL PROTECTION Dike flow of spilled material using soil or sandbags to minimize contamination of drains,

SPILL RESPONSE Eliminate ignition sources. Ventilate the area. Contain spill. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. This material will float on water.

7. HANDLING AND STORAGE

HANDLING Read and follow labeled directions for use. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin and eyes. Avoid contact with clothing. Wash thoroughly after handling. Do not contaminate water, food or feedstuffs by storage, handling or disposal.

STORAGE Store at temperatures below 110°F (54 °C). Keep away from heat, sparks, and flame. Can be stored in most common storage vessels including carbon steel, aluminum, fiberglass and stainless steel. 316 or 304 stainless steel is preferred. Ground and bond bulk storage containers when transferring material. Use spark-proof tools. Material may swell or soften rubber and some plastics. Monitor rubber and plastic materials, gaskets and hose integrity regularly and replace as necessary. Concrete may be slowly deteriorated by contact. Avoid recurring drips or leaks, and clean up spills promptly.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS Use only with adequate ventilation. Local exhaust is recommended for use in enclosed or confined spaces.

PERSONAL PROTECTIVE EQUIPMENT

General Observe good industrial hygiene practices. Read and follow labeled directions for use. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this material.

Eye / Face Protection Eye protection with splash guard is recommended, dependent upon potential exposure.

Skin Protection Applicators and handlers must wear long-sleeved shirt and long pants, shoes plus socks. Nitrile gloves are recommended. Avoid natural or neoprene rubber. Promptly clean reusable gloves, if worn, and inspect for signs of damage, swelling, cracking, or brittleness. Replace damaged PPE immediately.

Respiratory Protection None required for ambient temperature work.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: clear oily liquid

ODOR: detergent-like odor

DENSITY: 0.868 g/mL at 24.0°C

VISCOSITY: 4.5 centipoises at 20°C

pH: Not Available

VAPOR DENSITY: Not Available

BOILING POINT: Not Available

FREEZING POINT: Not Available

FLASHPOINT & METHOD: > 95°C (203 °F) Tag Closed Cup

SOLUBILITY IN WATER: Not soluble

10. CHEMICAL STABILITY AND REACTIVITY

CHEMICAL STABILITY Stable at normal conditions

CONDITIONS TO AVOID Reacts with strong base. Avoid strong oxidizers. Keep away from extreme heat, sparks, open flame and oxidizing conditions.

MATERIALS TO AVOID Oxidizing agents. Strong bases.

HAZARDOUS DECOMPOSITION Alcohols. Carbon monoxide with incomplete combustion.

HAZARDOUS POLYMERIZATION Does not occur.

11. TOXICOLOGICAL INFORMATION (test substance is COCOBEAR)

Exposure incidental to occupational handling and prescribed use is not likely to cause injury

ACUTE ORAL TOXICITY The acute oral LD50 on rats is greater than 5000 mg/kg of body weight.

ACUTE DERMAL TOXICITY The acute dermal LD50 on rats is greater than 5050 mg/kg of body weight.

ACUTE INHALATION TOXICITY The acute inhalation LC50 is greater than 2.16 mg/L.



COCOBEAR™

EYE & SKIN EFFECTS

Transient irritation may be expected with undiluted product. Not a skin sensitizer.

COMMENTS

None of the components present in this material are listed by IARC, NTP, OSHA or ACGIH as being carcinogenic.

12. ECOLOGICAL INFORMATION

COCOBEAR is a mosquito larvicide for direct application to the aquatic environment for the control of immature mosquitoes in their larval and pupal stages of development. COCOBEAR leaves a thin surface film over the treatment area, creating a physical barrier to the surface-breathing larvae and kills the target pest by suffocation. Except as directed in the product label, do not apply directly to water or allow to enter drains.

ECOTOXICOLOGICAL DATA

| | |
|---------|---|
| Fish | No lethality in fish is observed in multiple studies of the aliphatic oils (mineral oil). The 96-hour LC50 of the fatty acid component to Bluegill is > 1000 mg/l. No microbiological inhibition is observed at 10,000 mg/l (fatty acid component). |
| Daphnia | NOEC < 0.9 mg/l based on immobility (mineral oil) |
| Bird | No lethality is observed in acute, oral, single-dose or sub-chronic dietary feeding tests in avian species (mineral oil). Acute oral toxicity in birds is > 2250 mg/kg-bw; Acute dietary toxicity is > 5620 ppm. |

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Do not dispose of via sinks, drains, or into the immediate environment.

EMPTY CONTAINER

See Container label for instructions on cleaning the container. Offer for recycling (if appropriate), or reconditioning, or puncture and dispose of container in a sanitary landfill.

14. TRANSPORT INFORMATION

DOT

This material is not regulated as dangerous goods

AIR (ICAO/IATA)

This material is not regulated as dangerous goods

VESSEL (IMO/IMDG)

This material is not regulated as dangerous goods

SHIPPING NAME

Insecticides, Insect or Animal Repellents, Liquid (N.O.S.)

15. REGULATORY INFORMATION

CERCLA Superfund) reportable quantity:

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Section 302 extremely hazardous substances: No

Section 311 hazardous chemical: No

Section 313 toxic chemical release reporting 40 CFR 372: None

Clean Water Act (CWA)

This material is classified as an oil under Section 311 of the Clean Water Act and the Oil Pollution Act of 1990 (OPA). Other than permitted discharges, spills which produce a visible sheen on waters of the United States, their adjoining shorelines, or into conduits leading to surface waters must be reported to the EPA's National Response Center at (800) 424-8802.

California Prop. 65 Components

This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

New Jersey Right to Know

Petroleum Oil

16. OTHER INFORMATION

0 - Minimal

1 - Slight

2 - Moderate

3 - Serious

4 - Extreme

NFPA HAZARD RATINGS

Health 1

Flammability 1

Instability 0

Special 1

HMIS HAZARD RATINGS

Health 1

Flammability 1

Physical 0

PPE X



MATERIAL SAFETY DATA SHEET

Date Issued: 03 June 2014
MSDS No: CMP118.2.r4

COCOBEAR™

Notes: We assign NFPA and HMIS ratings to this product based on the hazards of its ingredient(s). Since the user is most aware of the applications and conditions of use, he or she must ensure that the proper Personal Protective Equipment is provided, consistent with the information contained in Sections 7 and 8 of the MSDS.

The data contained herein are based on information currently available to Clarke Mosquito Control Products, Inc. and, to the best of our knowledge, are accurate and based on sound expert opinion. Our statements herein, however, are not to be taken as a warranty or representation for which Clarke Mosquito Control Products, Inc. assumes legal responsibility.