



## MERCENARY – Safety Data Sheet

Issued: 07/15/2017

### Section 1. Identification of the substance/preparation and of the company

**Product Name:** MERCENARY

**Synonyms:** Cultured Biologix Mercenary All-Natural Insecticide

**Product Use:** Prevent and Control of Soft Bodied Insects

**EPA Reg. No.** FIFRA 25(b) exempt

**Manufacturer:**

**Cultured Biologix, LLC.**

7015 Julian St. #6

Westminster, CO, 80030

**Telephone:** 1-800-574-3622

**Emergency Phone Number:** 1-800-222-1222 (24/7)

### Section 2. Hazards Identification

**EMERGENCY OVERVIEW:** A tan liquid with mild floral odor that may cause skin and eye irritation.

**OSHA / WHMIS (2015) Regulatory Status:** Hazardous

**OSHA / WHMIS (2015) Classification:**

Skin corrosion/irritation:	1
Eye damage/irritation:	1
Skin sensitization:	1

**SIGNAL WORD:** DANGER

**HAZARD STATEMENTS:** Causes serious eye damage.  
Causes skin irritation.  
May cause allergic skin reaction.

**PRECAUTIONARY STATEMENTS:** Wear glasses or goggle  
Wash thoroughly after handling.  
Wear protective gloves.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor.  
IF ON SKIN: Wash with plenty of water. If irritation occurs, get medical attention. Take off contaminated clothing and wash before reuse.

**Eye effects:** Irritating to eyes and may cause permanent damage if not promptly treated.

**Skin effects:** Moderately irritating to the skin. May cause allergic skin reaction including rash.

**Ingestion:** Harmful if swallowed.

**Carcinogenic effects:** No known significant effects or critical hazards.

**Mutagenic effects:** No known significant effects or critical hazards.

**Teratogenicity/Reproductive toxicity:** No known significant effects or critical hazards.

**Chemical listed as carcinogen by OSHA, NTP or IARC?** No

**Explosion:** No explosive effects.

**Environment effects:** No hazards.

### Section 3. Composition Information

Chemical / Component Name	Concentration	CAS Number
Sesame oil	25.00%	8008-74-0
Rosemary oil	10.00%	8000-25-7
Cinnamon oil	5.00%	8015-91-6
Clove oil	2.50%	8000-34-8
Peppermint oil	1.00%	8006-90-4

### Section 4. First Aid

**Inhalation:** No hazards which require special first aid

**Skin Contact:** Wash with running water. Change clothing and launder before reuse. Get medical attention for irritation and/or allergic reaction.

**Eye Contact:** Rinse thoroughly with plenty of running water, also under the eyelids. Immediately call a physician for eye irritation or burns.

**Ingestion:** The product is not considered toxic based on studies on laboratory animals.

**Advice to Physician:** Treat symptomatically.

### Section 5. Fire Fighting Measures

**Suitable extinguishing media:** Water, water spray, foam carbon dioxide, dry powder, etc.

**Extinguishing agents to avoid:** None

**Special fire-fighting precautions:** Wear respiratory protection to avoid dust and smoke.

### Section 6. Accidental Release Measures

**Personal precautions:** Wear protective gear as outlined in section 8.

**Containment:** Use clay or other impervious material to surround leaked product.

**Cleanup:** Absorb with sand, sawdust, earth or fuller's earth. Place into container for disposal.

**Notification requirements:** None.

### Section 7. Handling and Storage

**Handling:** Avoid contact with skin and eyes. Wash thoroughly after handling.

**Storage:** Keep in dry, cool place (0-35°C) Keep out of the reach of children.

### Section 8. Exposure Controls / Personal Protection

**Engineering measures:** No special ventilation requirements. Good general ventilation should be sufficient to control airborne mists and vapors.

**Permissible Airborne Levels:** No ingredients have established limits.

**Eye Protection:** Wear safety glasses with side shields or goggles.

**Skin Protection:** Wear liquid resistant gloves and long-sleeved shirt. Nitrile rubber is recommended for gloves.

**Respiratory Protection:** Not normally required

**Hygiene measures:** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

## Section 9. Physical and Chemical Properties

**Appearance and Physical State:** Tan liquid

**Odor and Odor Threshold:** Slight floral odor. Threshold not determined

**Octanol / Water Partition coefficient:** Not determined

**Solubility:** Completely soluble in water.

**pH:** 6.5~7.5

**Specific Gravity:** 1.0~1.05

**Melting point/range:** 0°C / 10°F

**Initial boiling point/range:** 223 - 240 °C - lit. / 420°F

**Flash point:** 108°C/ 226°F -closed cup.

**Auto-ignition temp:** Not determined

**Upper/Lower flame limits:** Not determined

**Vapor pressure (mm Hg):** 1 hPa at 70.6 °C

**Vapor density:** Not determined

**Flammability:** (Solids, gases) –Not applicable.

**Viscosity:** Not determined

## Section 10. Stability and Reactivity

**Stability:** Stable

**Conditions to avoid:** Open flames or other high temperature sources, which might induce thermal decomposition

**Hazardous decomposition products:** Organic oils, carbon dioxide.

**Hazardous Polymerization:** Will not occur

## Section 11. Toxicological Information

**Acute toxicity:** Calculated toxicity is greater than 5000 mg/kg (oral, rat)

**Skin Irritation (rabbit):** May cause irritation.

**Eye Irritation (rabbit):** May cause severe irritation and/or eye damage.

**Chronic toxicity:** Non-carcinogenic, non-teratogenic, non-mutagenic or reproductive.

## Section 12. Ecological Information

Not expected to be harmful to aquatic or terrestrial species and not persistent in the environment.

## Section 13. Disposal Considerations

**RCRA:** Not a hazardous waste under RCRA criteria.

Dispose of in accordance with local state and federal regulations.

Do not contaminate water, food or feed by storage or disposal

#### **Section 14.** Transportation Information

**Regulatory status:** Not hazardous under DOT, TGA, ICAO or IMDG regulations.

**Shipping name:** Mercenary

#### **Section 15.** Regulatory Information

**TSCA:** All ingredients on TSCA Chemical Inventory

**DSL:** All ingredients on the Canadian DSL

**RQs, TPQs:** No ingredients listed.

**SARA 311:** Classification: Immediate

**SARA 313:** No ingredients listed.

**FIFRA:** This product has not been registered by the United States Environmental Protection Agency. Company represents that this product qualifies for exemption from registration under FIFRA 25(b). This product is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

KEEP OUT OF THE REACH OF CHILDREN  
CAUTION

#### **Section 16.** Other Information

**Issue Date:** July 15th, 2017

SDS for North American (USA & Canada) market