

# MATERIAL SAFETY DATA SHEET

Emergency Phone: Chemtrec 800-424-9300

Effective Date: November 29, 2007

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** SucraShield™

**DESCRIPTION:** A biochemical insecticide / miticide.

**EPA Reg. No.:** 70950-2-84710

### COMPANY IDENTIFICATION:

Natural Forces, LLC

PO Box 2601

Davidson, NC 28036-2601

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Chemical Name	Formula	CAS #	Composition
Sucrose Octanoate Esters	$\alpha$ -D-Glucopyranosyl- $\beta$ -D-fructofuranosyl-octanoate), mono-, di-, and triesters of sucrose octanoate	N/A	42922-74-7 58064-47-4	40.0%

## 3. HAZARD IDENTIFICATION

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS:** Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Wear protective eyewear (goggles or face shield). Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

**ENVIRONMENTAL HAZARDS:** None known.

## 4. FIRST AID

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-424-9300 for emergency medical treatment information

**IF SWALLOWED:** Call poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

## 5. FIRE-FIGHTING MEASURES

**Flash point:** N/A (does not contain a combustible liquid)

**Flammable Limits (LFL-UFL):** N/A

**Fire and Explosion Hazards:** None.

**Means of Extinction:** Water, dry chemical, carbon dioxide and foam.

**Fire Fighting Instructions:** Evacuate area of all unnecessary personnel. Put out fires in the proximity of this product.

**Firefighting Equipment:** Wear gear appropriate for fighting fire in proximity of this product.

**Hazardous Combustion Products:** Decomposes above 100°C creating carbon monoxide and carbon dioxide.

## 6. ACCIDENTAL RELEASE MEASURES

Clean up spills immediately observing the precautions in Section 8 of this MSDS. Sweep or soak up using absorbent material such as paper, rags or sawdust. Dispose of as a mixture of sugar and grease or edible oil.

## 7. HANDLING AND STORAGE

Do not get in eyes or on clothing. Wear protective eyewear (goggles or face shield). Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

Store in a cool (above freezing), dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering Controls:** Facilities storing or utilizing this material should be equipped with an eyewash station.

**Protective Clothing:** Protective eyewear. Long-sleeved shirt, long pants and shoes plus socks.

**General:** Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing..

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Amber liquid

**Odor:** Faint sweet smell

**pH:** 6.9 – 7.1

**Flashpoint (PMA-4):** N/A

**Density:** 8.5 – 9.0 lbs. / gallon

**Viscosity:** 500 – 2000 cP @ 25°C

**Solubility in Water:** Completely miscible

## 10. STABILITY AND REACTIVITY

**CONDITIONS TO AVOID:** Strong oxidizing agents.

**CHEMICAL STABILITY:** Stable under normal use / handling conditions but may decompose if heated.

**HAZARDOUS DECOMPOSITION PRODUCTS:** None when stored and handled as prescribed / indicated. Refer to Section 5 for hazardous combustion products.

**INCOMPATIBILITY WITH OTHER MATERIALS:** Oxidizing agents. May blacken and dehydrate upon exposure to concentrated acid.

**POLYMERIZATION:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

**ACUTE ORAL TOXICITY:** Non-Toxic

**ACUTE DERMAL TOXICITY:** Non-Toxic

**ACUTE INHALATION TOXICITY:** Non-Toxic

**EYE IRRITANT:** Causes substantial but temporary eye injury (Rabbit).

**SKIN IRRITATION:** Non-Irritating (Rabbit).

**SENSITIZATION:** Not a Contact Sensitizer (Guinea pig).

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** None known.

### **CARCINOGENICITY:**

**ACGIH:** Not listed

**IARC:** Not listed

**NTP:** Not listed

**OSHA:** Not listed

**MUTAGENIC DATA:** No evidence of mutagenic effects during *in vivo* and *in vitro* assays.

**ADDITIONAL DATA:** Not known to cause reproductive or birth defects at normal exposure levels.

## 12. ECOLOGICAL INFORMATION

This product is non-toxic to birds, freshwater fish, freshwater aquatic invertebrates, and / or non-target plants when used according to label directions.

## 13. DISPOSAL CONSIDERATIONS

**Do not contaminate water, food or feed by disposal.**

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

## 14. TRANSPORT INFORMATION

DOT PROPER SHIPPING NAME: Not Regulated by DOT

MARINE POLLUTANT: No

## 15. REGULATORY INFORMATION

### **FIFRA –**

All pesticides are governed under the Federal Insecticide, Fungicide, and Rodenticide Act. The regulatory information presented below is pertinent only when this product is handled outside of the normal use and application as a pesticide.

### **SARA Title III – Section 302 Extremely Hazardous Substances**

Not Listed

### **SARA Title III – Section 311/312 Hazard Categories**

Immediate

### **SARA Title III – Section 312 Threshold Planning Quantity**

N/A

### **SARA Title III – Section 313 Reportable Ingredients**

None

**CERCLA –**

Chemical Name  
N/A

CAS Number  
N/A

RQ  
N/A

**CALIFORNIA PROP 65 STATUS –**

This product does not contain any chemicals known to the State of California to cause cancer or reproductive toxicity.

**16. OTHER INFORMATION**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by CPR.

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