

MATERIAL SAFETY DATA SHEET

Emergency Phone: Chemtrec 800-424-9300

Effective Date: May 23, 2008

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: SorbiShield 90

DESCRIPTION: Biochemical Insecticide / Miticide

EPA Reg. No.: 70950-3

COMPANY IDENTIFICATION:

Natural Forces, LLC

PO Box 2601

Davidson, NC 28036

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>Chemical Name</u>	<u>Formula</u>	<u>CAS #</u>	<u>Composition</u>
Sorbitol Octanoate	α -D-Glucopyranoside, β -D-fructofuranosyl, monoctanoate	-	42922-74-7	90.0%

3. HAZARD IDENTIFICATION

Health Hazards: Eye or respiratory contact is expected to cause some irritation; avoid continued contact with skin. Avoid contact with eyes.

Physical Hazards: None known.

Environmental Hazards: None known.

4. FIRST AID

NOTE: 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. In any case of exposure which elicits a response, a physician should be consulted immediately.

IF INHALED: Remove to fresh air. If not breathing, give artificial respiration. In case of labored breathing, give oxygen. Call a physician.

IF SWALLOWED: No effects expected. Do not give anything to an unconscious person. Call a physician immediately.

IF ON SKIN OR CLOTHING: Flush with plenty of water. Contaminated clothing may be washed or dry-cleaned normally.

IF IN EYES: Wash eye with plenty of water for at least 15 minutes lifting both upper and lower lids. Call a physician.

5. FIRE-FIGHTING MEASURES

Flash point: Decomposes above 200°C

Flammable Limits (LFL-UFL): Liquid will support combustion.

Fire and Explosion Hazards: None known.

Extinguishing Medium: Water, Dry Chemical, Carbon Dioxide, and Foam.

Hazardous Decomposition Products: Carbon dioxide and carbon monoxide.

Fire Fighting Equipment: Wear full protective clothing and a NIOSH approved self contained breathing apparatus with full face piece operated in the pressure demand or positive pressure mode as for a situation where lack of oxygen and excess heat are present.

Fire Fighting Instructions: Water may be used to keep exposed containers cool. Handling similar to sugar and edible oil mixture.

6. ACCIDENTAL RELEASE MEASURES

Spillage and Leakage: Neutralization is not required. Sweep up or soak up with absorbent material such as paper, rags or sawdust. May be disposed of as with a mixture of sugar and grease or edible oil

7. HANDLING AND STORAGE

Handling: (see Section 8 below).

Storage: Should be stored in plastic lined steel, plastic, glass, aluminum, stainless steel, and ore reinforced fiberglass containers in cool, dry, ventilated area. Protect from incompatible materials.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Pesticide Applicators and Workers: Wear long-sleeved shirt and long pants, shoes plus socks and protective eyewear.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Brown Liquid

Odor: Minimal odor- slightly sweet

pH: N/A

Density: Approximately 1.05 grams/cm³

Vapor Pressure: NA

Solubility: Miscible with water (surfactant)

Other: Material will darken with exposure to high heat as sugars are oxidized. Rate of darkening increases with heat.

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Begins to decompose above 200°C.

CONDITIONS TO AVOID: Avoid exposure to high heat.

SUBSTANCES TO AVOID: Strong oxidizing agents.

HAZARDOUS REACTIONS: None known.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide and carbon monoxide.

HAZARDOUS POLYMERIZATION: None known.

11. TOXICOLOGICAL INFORMATION

Based on analogous compounds, this product may produce irritation to mucous membranes of the upper respiratory system and eyes. No harmful effects are expected if ingested.

ACUTE ORAL TOXICITY: N/A

ACUTE DERMAL TOXICITY: N/A

ACUTE INHALATION TOXICITY: N/A

EYE IRRITATION: N/A

SKIN IRRITATION: N/A

SKIN SENSITIZATION: N/A

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: N/A

CARCINOGENICITY:

ACGIH: N/A

IARC: N/A

NTP: N/A

OSHA: N/A

MUTAGENIC TOXICITY: N/A

REPRODUCTIVE TOXICITY: N/A

12. ECOLOGICAL INFORMATION

Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters. Do not contaminate water used for irrigation or domestic purposes.

13. DISPOSAL CONSIDERATIONS

Do not contaminate water, food or feed by disposal.

Disposal: Laws and regulations for disposal vary widely by locality. Observe all applicable regulations and laws. This material may be disposed of in solid waste in a manner similar to sugar or edible oil or grease.

14. TRANSPORT INFORMATION

Not regulated by DOT.

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.

OSHA HAZARD COMMUNICATION STANDARD STATUS: N/A

SARA Title III – Section 302 Extremely Hazardous Substances: N/A

SARA Title III – Section 311/312 Hazard Categories: N/A

SARA Title III – Section 312 Threshold Planning Quantity: N/A

SARA Title III – Section 313 Reportable Ingredients: N/A

CERCLA – No requirement for a reportable quantity of a spill is known.

California Prop 65 Status – This product does not contain any chemicals known to the State of California to cause cancer or reproductive harm.

16. OTHER INFORMATION

The information contained in this document is the best available to the supplier as of the time of writing. Some possible hazards have been determined by analogy to similar classes of material. No separate tests have been performed on the toxicity of this material. No separate tests have been performed on the toxicity of this material. The items in this document are subject to change and clarification, as more information becomes available.

DISCLAIMER:

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