

Material Safety Data Sheet  
May be used to comply with  
OSHA's Hazard communication Standard,  
29 CFR 1910.1200. Standard must be consulted  
requirements.

U.S. Department of Labor  
Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved for specific  
OMB No. 1218-0072

IDENTITY (As Used on Label and List)  
**Bonide Captain Jack's DeadBug Brew Ready To Use**

**ID # 4472**  
Date: December 11, 2008

## Section I

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Bonide Products, Inc. 6301 Sutliff Road Oriskany, NY 13424	(800) 424-9300 (Chemtrec) (315) 736-8231
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## Section II - Ingredients/Identity

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Componets (Specific Chemical Identity: Common Names(s))	OSHA	PEL	ACGIN	TLV	Other Limits	% (Optional)
Spinosad: Spinosyn A CAS# 131929-60-7	None	None	None	None	None	.001%
Spinosyn D CAS# 131929-63-0	None	None	None	None	None	
Balance, Total						99.999%
Including: Propylene glycol (1,2-Propanediol)				CAS# 000057-55-6)		

## Section III – First Aid Measures

**EYES:** Flush eyes with water for 15 minutes. Remove contact lenses if present after 5 minutes and continue flushing. Call a physician if irritation persists.

**SKIN:** Remove contaminated clothing. Flush thoroughly with water for 15 minutes. May cause slight irritation with local redness. Call Doctor or Emergency control center if irritation persists. Prolonged skin contact is unlikely to result in absorption of harmful amount.

**INHALATION:** Remove to fresh air. Seek medical attention if irritation persists. No adverse effects are anticipated from single exposure to mist.

**INGESTION:** Do not induce vomiting. Sip water if possible. Contact physician or poison control center for further treatment.

**NOTE TO PHYSICIAN:** No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

## Section IV – Fire/Explosion Hazard Data

FLASH POINT: >270 degrees F

EXTINGUISHING MEDIA: Carbon Dioxide, Dry Chemical, Foam or Water fog.

FIRE AND EXPOSION HAZARDS: Keep people away. Isolate fire area and deny unnecessary entry. Under fire condition some components of this product may decompose. The smoke may contain unidentified toxic and / or irritating compounds.

FIRE FIGHTING COMMENTS: Wear positive-pressure, self-contained breathing apparatus (SCBA) and protective clothing. If SCBA's not available fight fire from a protected location or safe distance.

NFPA – Health:1                      Reactivity-0                      Flammability-0

## Section V- Accidental Release Measures

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**SPILL OR LEAK:** Isolate and post spill area. Keep material out of streams and sewers. In case of a large spill or leak, contain liquid with kitty litter or other noncombustible, absorbent material, then place in clean container for disposal. Dike run off if possible. Wastes, including spills or rinsates, and leftover pesticide that cannot be used according to label instructions must be disposed of according to applicable federal, state, or local procedures.

## Section VI– Handling and Storage

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**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Keep out of reach of children. Avoid eye contact. Do not take internally. Wash thoroughly after handling and before eating, drinking or smoking. Store product in original container.

### PROTECTIVE REQUIREMENTS:

**WORK CLOTHING:** Use chemically resistant gloves with prolonged or frequently repeated contact. Long sleeved shirt, long pants and shoes to avoid prolonged or frequent contact on skin.

**EYE PROTECTION:** Safety glasses are recommended.

**INHALATION:** General and /or local ventilation to control airborne levels below exposure guidelines.

TLV – N/A                      CARCINOGENETIC- Did not cause cancer in laboratory animals.

## Section VII – Health Hazard Data

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### POTENTIAL HEALTH EFFECTS:

**EYES:** May cause slight eye irritation. Corneal injury is very unlikely. May cause pain disproportionate to the level of irritation to eye tissue.

**SKIN:** May cause mild skin irritation. Repeated exposure may cause mild sensitization. Overexposure may cause irritation to eyes and skin. Redness, stinging, swelling or itching can occur.

**INGESTION:** Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amount.

## Section VIII - Physical and Chemical Properties

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APPEARANCE: Clear to slightly cloudy

ODOR: Slightly Musty

PHYSICAL STATE: Liquid

BOILING POINT RANGE: ND

MELTING POINT/FREEZE POINT: ND

VAPOR PRESSURE: ND

VAPOR DENSITY (Air=1): ND

pH: 7-8

SPECIFIC GRAVITY: 8.34 lbs/gal.

DISPERSES IN WATER

## Section IX– Reactivity Data

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**STABILITY:** Stable at typical temperatures. Some components can decompose at elevated temperatures.

**INCOMPATIBLE MATERIALS:** None known.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Hazardous decomposition products depend upon temperature, air supply; and the presence of other materials.

**HAZARDOUS POLYMERIZATION:** None known to occur.

**AVOID EXCESSIVE TEMPERATURES.** Keep from freezing

## Section X - Ecological Data

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Do not apply directly to water, or to areas where surface water is present or in areas below the mean high water mark.

Do not contaminate water by cleaning of equipment or disposal of water. Product is highly toxic to marine mollusks on an acute basis and slightly toxic to fish on an acute basis.

## Section XI - Environmental and Disposal Information

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**STORAGE AND HANDLING:** Store in a cool, dry place and avoid excess heat. Store in original containers only. Wash hands and other exposed skin surfaces prior to smoking or consuming food or beverages. Do not put concentrate or dilute material into food or drink containers. Do not contaminate other pesticides, fertilizers, water, food or feed by improper storage or disposal.

**WASTE DISPOSAL:** Because acceptable methods of disposal may vary by location and because regulatory requirements may change, the appropriate regulatory agencies should be contacted prior to disposal.

## Section XII – Transportation & Regulatory Information

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Shipping/DOT: Non DOT Regulated

OTHER REGULATORY CLASSIFICATIONS:

SARA TITLE III: EHS – No,

CERCLA Reportable – No.

**NOTICE:** This information is believed to be accurate and reliable. However, no guarantee expressed or implied is made with respect to the information contained herein.

**KEEP OUT OF REACH OF CHILDREN. FOLLOW LABEL DIRECTIONS CAREFULLY.**

### ABBREVIATION KEY

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N/A: NOT AVAILABLE OR APPLICABLE

N/E: NOT ESTABLISHED

ND: Not Determined

TLV: THRESHOLD LIMIT VALUE

TWA: TIME WEIGHTED AVG./8 HOUR WORKDAY

STEL: SHORT TERM EXPOSURE LIMIT

D.O.T.: DEPARTMENT OF TRANSPORTATION

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