



Woodstream Corporation  
69 North Locust Street  
Lititz, PA 17543

# Material Safety Data Sheet

**MSDS No:** 781  
**Domestic Emergency Phone** 800-424-9300  
**International Emergency Phone** 703-527-3887  
**Information Phone** 800-800-1819  
**Intl Info Phone:** 717-626-2125

## SECTION I: MATERIAL IDENTIFICATION

**Product Number/Size:** 5109 32 Ounce (fluid)  
**Trade Name:** Safer® Brand Bug Patrol Concentrate  
**Also Known As:** O-SAP Insecticide Concentrate  
**Description:** Liquid Insecticide Concentrate  
**Chemical Composition:** Liquid Concentrate  
**Regulatory Licenses:** EPA Reg. No. 59913-9

## SECTION II: INGREDIENTS

Hazardous Ingredient (s)	% BY WT	CAS #	OSHA/TWA	PEL/STEL	ACGIH/TWA	TLV/STEL
Pyrethrins	<0.3	8003-34-7	5 mg/m3	NE	5 mg/m3	NE
Potassium Salts of Fatty Acids	<20.0	N/A	NE	NE	NE	NE
Ethyl alcohol	<15.0	64-17-5	1900 mg/m3	NE	1880 mg/m3	NE

## SECTION III: PHYSICAL DATA

**Boiling Point:** 84°C (183°F)      **Viscosity:** 12.5 cps  
**Vapor Pressure (mm Hg):** Not Determined      **Odor:** Lardy, Alcohol Odor  
**Vapor Density (AIR=1):** Not Determined      **Specific Gravity (Water=1):** 0.856  
**Bulk Density:** 7.143      **Percent, Volatile by Volume %:** Not Determined  
**Freezing Point:** Not Determined      **Evaporation Rate (Xylene=1):** Not Determined  
**Solubility in Water:** Complete      **Physical State:** Liquid  
**Appearance:** Translucent amber      **pH:** 8.0

## SECTION IV: FIRE AND EXPLOSION HAZARD DATA

**Flash Point (method):** 72 F      **NFPA Health Rating:** 2  
**Autoignition Temp.:** N/A      **NFPA Fire Rating:** 3  
**Flammable Lel:** Not Determined      **NFPA Reactivity Rating:** 0  
**Flammable Uel:** Not Determined      **Extinguishing Material:** CO2, dry chemical, foam, water  
**Hazardous Products of Combustion:** Carbon Oxides  
**Special Fire Fighting Procedures:**

## SECTION V: HEALTH HAZARD DATA

**General Statement:** Material is considered hazardous per 29 CFR 1910.1200. Avoid contact with skin, eyes and clothing.  
**Occupational Exposure Limit:** See Section II  
**Effects of Over Exposure:** None Expected  
**Carcinogenicity:** None listed per OSHA, NTP, or IARC.  
**Chronic Effects:** Ethanol has been shown to be a developmental toxin from chronic ingestion; such effects are not anticipated from appropriate use of this product.  
**Rec. Exp. Limits:** See Section II  
**Potential Health Effects:** None Expected  
**Acute Oral:** >5000 mg/kg Rat  
**Acute Dermal:** >2000 mg/kg Rabbit  
**Acute Inhalation:** >5.0 mg/l Rat  
**Eye Irritation:** Irritation clearing in 7 days or less  
**Skin Irritation:** Moderate Irritation  
**Sensitization:** Not a sensitizer

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**Route of Entry Symptoms/Effects of Overexposure First Aid**

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Skin	Irritation	Wash with plenty of soap and water. Get medical attention.
Inhalation	None Expected	Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. Get medical attention.
Eye	Irritation	Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention.
Ingestion	None Expected	If swallowed, promptly drink large amounts of water. Never give liquids to an unconscious person. Get medical attention.

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**SECTION VI: REACTIVITY DATA**

**Stability:** Stable

**Conditions to avoid:** HEAT AND OPEN FLAME

**Materials to avoid:** Concentrated mineral supplements (fertilizers), strong oxidizers, acids.

**Hazardous Decomposition:** Not Determined

**Conditions to avoid:** HEAT AND OPEN FLAME

**Hazardous Polymerization:** Will not occur

**Conditions to avoid:** HEAT AND OPEN FLAME

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**SECTION VII: SPILL OR LEAK PROCEDURES**

**Steps to be taken if material is released or spilled:** Rinse with abundant water and mop up.

**Waste Disposal Method:** Be aware that the waste owner has responsibility for final disposal. Regulations may also apply to empty containers, liners, or rinsate. Laws may change or be reinterpreted; state and local regulations may be different from Federal regulations. This information applies to materials as manufactured; contamination or processing may change waste characteristics and requirements.

**Product Disposal Method:** PESTICIDE DISPOSAL: Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility.  
CONTAINER DISPOSAL:  
If Empty: Do not reuse this container. Place in trash or offer for recycling if available.  
If Partly Filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

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**SECTION VIII: SPECIAL PROTECTION INFORMATION**

**Respiratory Protection:** In typical applications, no engineering controls should be needed; if industrial hygiene surveys show that occupational exposure limits may be exceeded, use NIOSH approved respirator with organic vapor/dust/mist cartridges.

**Protective Gloves:** Protective gloves (nitrile) recommended

**Eye Protection:** Recommended to avoid contact of material directly into eyes.

**Protective Clothing:** None required under normal use conditions.

**Ventilation:** None required under normal use conditions.

**Other Protective Equipment:** None required under normal use conditions.

**Protection Note:** Personal protection information provided in this Section is based upon general information as to normal uses and conditions. Where special or unusual uses or conditions exist, it is suggested that the expert assistance of an industrial hygienist or other qualified professional be sought.

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**SECTION IX: SPECIAL PRECAUTIONS**

**Storage and Handling:** Store away from heat, out of reach of children. Do not contaminate water, food or feed by storage or disposal. Do not reuse container.

**Other Precautions:** None

**Precaution Note:** None

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**SECTION X: ECOLOGICAL INFORMATION**

**Ecotoxicity:** May be hazardous to aquatic invertebrates. Do not apply directly to water; do not contaminate water by cleaning of equipment or disposal of washwaters.

**Environmental Fate:** Not Persistent

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## **SECTION XI: TRANSPORTATION INFORMATION**

### **DOT HAZARD DESCRIPTION**

**DOT Proper Shipping Name:** Consumer Commodity (ethanol solution)  
**Identification Number:** UN1170  
**DOT Hazard Class/Division:** ORM-D  
**Packaging Group:** N/A  
**Packaging Instructions:** 49 CFR173.156, 306  
**Special Instructions:** N/A  
**Placard:** None  
**Emergency Response Guide#:** None  
**US Surface Freight Class:** See NMFTA Manual

### **IATA CLASSIFICATION**

**IATA Proper Shipping Name:** Ethanol Solution  
**Identification Number:** UN1170  
**IATA Hazard Class/Division:** Class 3 (flammable liquid)  
**Packaging Group:** N/A  
**IATA Bulk Packaging Inst:** See IATA Manual  
**IATA Shipping Notes:** See IATA Manual

### **IMO CLASSIFICATION**

**IMO Proper Shipping Name:** Ethanol Solution  
**Identification Number:** UN1170  
**IMO Hazard Class/Division:** Class 3/Flammable Liquid  
**Packaging Group:** N/A  
**IMO Shipping Notes:** See IMO Manual  
**IMO Bulk Packaging Inst:** See IMO Manual  
**IMO Stowage Category:** See IMO Manual

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## **SECTION XII: REGULATORY INFORMATION**

**SARA Title III:** Not Regulated  
**SARA Product Classification:** Reporting not required unless TPQ exceeded in inventory  
**Acute:** N/A  
**Chronic:** N/A  
**Fire:** N/A  
**Reactivity:** N/A  
**Pressure Generating:** Not Pressure Generating  
**311/312 Hazard Categories:** Not Subject  
**313 Reportable Ingredients:** Not Subject  
**TSCA Regulatory:** None listed  
**State Regulations:** In the U.S.A. states such as Pennsylvania, New Jersey, California, Vermont, Massachusetts and Rhode Island may all have components of this product listed; consult specific state regulatory requirements for additional information.  
**Proposition 65 Statement:** None listed  
**European Classification:**

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## **SECTION XIII: OTHER INFORMATION**

**Memo:** While this information and recommendations set forth are believed to be accurate as of the date hereof, Woodstream Corp. makes no warranty with respect hereto and disclaims all liability from reliance thereon.

**Date MSDS Prepared:** 6/19/2007  
**Supersedes Date:**

**Contact:** Adam R. Clark  
**Title:** Regulatory Affairs