



Woodstream Corporation
69 North Locust Street
Lititz, PA 17543

Material Safety Data Sheet

MSDS No: 860
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: 5108 32 Ounce (fluid)
Trade Name: Safer® Brand Mosquito & Tick Killer
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

| Non-Hazardous Component (s) | % BY WT | CAS # | Chemical Formula |
|--------------------------------|---------|-------|------------------|
| Pyrethrins | | <0.3 | 8003-34-7 |
| Potassium Salts of Fatty Acids | | <20.0 | N/A |

| Hazardous Ingredient (s) | % BY WT | CAS # | OSHA/TWA | PEL/STEL | ACGIH/TWA | TLV/STEL |
|--------------------------|---------|---------|------------|----------|------------|----------|
| 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

Route of Entry Symptoms/Effects of Overexposure First Aid

| | | |
|------------|---------------|------------------------------------------------------------------------------------------------------------------------------|
| 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. |

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

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.

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.

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

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

SECTION XI: TRANSPORTATION INFORMATION

DOT HAZARD DESCRIPTION

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

IATA CLASSIFICATION

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

IMO CLASSIFICATION

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

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:

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.

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