



Woodstream Corporation
69 N. Locust Street
Lititz, PA 17543

Material Safety Data Sheet

MSDS No: 647
Domestic Emergency Phone
International Emergency Phone
Information Phone
Intl Info Phone:

800-424-9300
703-527-3887
800-800-1819
717-626-2125

SECTION I: MATERIAL IDENTIFICATION

Product Number/Size: 5462 32 Ounce (fluid)
Trade Name: Safer® Brand 3-In-1 Garden Spray Concentrate
Also Known As: 3-In-1 Garden Spray Concentrate
Description: Insecticide/Fungicide/Miticide
Chemical Composition: Liquid Concentrate
Regulatory Licenses: EPA Reg. No. 59913-13

SECTION II: INGREDIENTS

Non-Hazardous Component (s)		CAS #	Chemical Formula			
Elemental Sulfur		7704-34-9				
Hazardous Ingredient (s)	% BY WT	CAS #	OSHA/TWA	PEL/STEL	ACGIH/TWA	TLV/STEL
Potassium Salts of Fatty Acids	<13.0	143-18.0	NE	NE	NE	NE
Ethyl alcohol	<10.0	64-17-5	1900 mg/m3	NE	1880 mg/m3	NE

SECTION III: PHYSICAL DATA

Boiling Point: Not Determined
Vapor Pressure (mm Hg): Not Determined
Vapor Density (AIR=1): Not Determined
Bulk Density: 8.32 PPG
Freezing Point: Not Determined
Solubility in Water: Forms Suspension
Appearance: Viscous Yellow Liquid

Viscosity: 1800 cp
Odor: Soap-like
Specific Gravity (Water=1): 0.997
Percent, Volatile by Volume %: Not Determined
Evaporation Rate (Xylene=1): Not Determined
Physical State: Viscous Liquid
pH: 8.70

SECTION IV: FIRE AND EXPLOSION HAZARD DATA

Flash Point (method): 93.2 F
Autoignition Temp.: Not Determined
Flammable Lel: Not Determined
Flammable Uel: Not Determined
Hazardous Products of Combustion: Carbon Oxides
Special Fire Fighting Procedures: None

NFPA Health Rating: 1
NFPA Fire Rating: 2
NFPA Reactivity Rating: 0
Extinguishing Material: CO2, dry chemical, foam, water

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: None Expected
Rec. Exp. Limits: See Section II
Potential Health Effects: None Expected
Acute Oral: > 5000 mg/kg Rat
Acute Dermal: > 5000 mg/kg Rabbit
Acute Inhalation: >2.10 mg/l
Eve Irritation: Mildly Irritating
Skin Irritation: Moderately Irritating
Sensitization: Not a sensitizer

Route of Entry Symptoms/Effects of Overexposure First Aid

Ingestion	None Expected	If swallowed, promptly drink large amounts of water. Never give liquids to an unconscious person. Get medical attention.
Skin	Moderate 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	Mild Irritation	Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention.

SECTION VI: REACTIVITY DATA

Stability: Stable

Conditions to avoid: EXCESSIVE HEAT

Materials to avoid: Oxidizers, nitrates, oils

Hazardous Decomposition: Will not occur

Conditions to avoid: EXCESSIVE HEAT

Hazardous Polymerization: Will not occur

Conditions to avoid: EXCESSIVE HEAT

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: This material (as packaged) is not considered a hazardous waste. 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: 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 or (800)-CLEANUP 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 recommended

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

Protective Clothing: Not required

Ventilation: Not required

Other Protective Equipment: Not required

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 only in original container in a cool, dry area inaccessible to children and pets. Protect from freezing and heat. Keep container tightly closed to prevent evaporation.

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 (ethanol solution)
Identification Number: UN1170
DOT Hazard Class/Division: ORM-D
Packaging Group: N/A
Packaging Instructions: 49 CFR173.156, 306
Special Instructions: None
Placard: None Required
Emergency Response Guide#: Not Regulated
US Surface Freight Class: See NMFTA Manual

IATA CLASSIFICATION

IATA Proper Shipping Name: Ethanol Solution
Identification Number: UN1170
IATA Hazard Class/Division:
Packaging Group: N/A
IATA Bulk Packaging Inst: None
IATA Shipping Notes: None

IMO CLASSIFICATION

IMO Proper Shipping Name: Ethanol Solution
Identification Number: UN1170
IMO Hazard Class/Division:
Packaging Group: N/A
IMO Shipping Notes: None
IMO Bulk Packaging Inst: None
IMO Stowage Category: Not Regulated

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: n 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.

Date MSDS Prepared: 1/17/2005
Supersedes Date:

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