



Woodstream Corporation
69 North Locust Street
Lititz, PA 17543

Material Safety Data Sheet

MSDS No: 589

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: 98424 24 Ounce (fluid)
Trade Name: Concern® Garden Defense Multi-Purpose Spray Conc
Also Known As: GRDN DEFENSE MP CONC 24 OZ 6/CS
Description: Insecticide/Fungicide/Miticide CONC
Chemical Composition: 70.0% Clarified Hydrophobic Extract of Neem Oil
Regulatory Licenses: EPA Reg. No. 70051-2-50932

SECTION II: INGREDIENTS

Hazardous Ingredient (s)*	% BY WT	CAS #	OSHA/TWA	PEL/STEL	ACGIH/TWA	TLV/STEL
Clarified Hydrophobic Extract of Neem	70.0	8002-65-1	NE	NE	NE	NE

** all ingredients in quantities > 1.0% (0.1% for carcinogens or teratogens) that are potentially hazardous per OSHA definitions.*

SECTION III: PHYSICAL DATA

Boiling Point: 310 °F
Vapor Pressure (mm Hg): 2.0 @ 20 C
Vapor Density (AIR=1): 0.012
Bulk Density: 7.625 PPG
Freezing Point: Not Available
Solubility in Water: Emulsifiable
Appearance: Brown Liquid

Viscosity: Not Available
Odor: Garlic Like
Specific Gravity (Water=1): 0.914
Percent, Volatile by Volume %: 25
Evaporation Rate (Xylene=1): Not Available
Physical State: Liquid
pH: 6.5-7.5

SECTION IV: FIRE AND EXPLOSION HAZARD DATA

Flash Point (method): 347 °F
Autoignition Temp.: Not Available
Flammable Lel: Not Available
Flammable Uel: Not Available
Hazardous Products of Combustion: Carbon Oxides

NFPA Health Rating: 1
NFPA Fire Rating: 2
NFPA Reactivity Rating: 0
Extinguishing Material: Dry Chemical, CO2, alcohol, polymer foam

Special Fire Fighting Procedures:

SECTION V: HEALTH HAZARD DATA

General Statement: None of the ingredients of this material meet the definition of "Hazardous Chemical" given in OSHA Hazard communication regulation 29 CFR 1910.1200(c).
Occupational Exposure Limit: No Limitations
Effects of Over Exposure: None Expected
Carcinogenicity: None listed per OSHA, NTP, or IARC.
Chronic Effects: None Expected
Rec. Exp. Limits: No Limitations
Potential Health Effects: None Expected
Acute Oral: >5000 mg/kg Rat
Acute Dermal: >5000 mg/kg Ratq
Acute Inhalation: > 5 kg/l
Eye Irritation: Minimally Irritating
Skin Irritation: Slight Irritation
Sensitization: Not a sensitizer

Route of Entry Symptoms/Effects of Overexposure First Aid

Skin	None Expected	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.
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: Excessive Heat

Materials to avoid: None Known

Hazardous Decomposition: Will Not Occur

Conditions to avoid: None Known

Hazardous Polymerization: Will Not Occur

Conditions to avoid: None Known

SECTION VII: SPILL OR LEAK PROCEDURES

Steps to be taken if material is released or spilled: Wear SCBA, rubber boots, and heavy rubber gloves. Shut off sources of ignition. Dike around spill, absorb on sand or similar material, and place in closed containers for disposal. Ventilate area and wash spill site after material pick-up.

Waste Disposal Method: Waste is not hazardous as defined by RCRA (40 CFR 261). Other National, Provincial, and Local regulations may vary. Consult local agencies as needed. Used material which has been contaminated may have significantly different characteristics based on the contaminants and should be evaluated accordingly.

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: Use with Adequate Ventilation

Protective Gloves: Chemical Resistant Gloves Recommended

Eye Protection: Use of Safety Goggles Recommended

Protective Clothing: Standard Body Covering Clothing

Ventilation: Standard Ventilation system in closed areas.

Other Protective Equipment: None

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: PESTICIDE STORAGE: Store only in a cool, dry area inaccessible to children and pets. Protect from freezing and heat. Keep container tightly closed to prevent evaporation. Do not contaminate water, food or feed by storage and disposal.

Other Precautions: Store away from heat, out of reach of children. Do not contaminate water, food or feed by storage or disposal. Do not reuse container.

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 wash waters.

Environmental Fate: Degrades Rapidly

SECTION XI: TRANSPORTATION INFORMATION

DOT HAZARD DESCRIPTION

DOT Proper Shipping Name: Not Hazardous
Identification Number: N/A
DOT Hazard Class/Division: N/A
Packaging Group: N/A
Packaging Instructions: N/A
Special Instructions: N/A
Placard: Not Required
Emergency Response Guide#: N/A
US Surface Freight Class: See NMFTA Manual

IATA CLASSIFICATION

IATA Proper Shipping Name: Not Hazardous
Identification Number: N/A
IATA Hazard Class/Division: N/A
Packaging Group: N/A
IATA Bulk Packaging Inst: N/A
IATA Shipping Notes: N/A

IMO CLASSIFICATION

IMO Proper Shipping Name: Not Hazardous
Identification Number: N/A
IMO Hazard Class/Division: N/A
Packaging Group: N/A
IMO Shipping Notes: N/A
IMO Bulk Packaging Inst: N/A
IMO Stowage Category: N/A

SECTION XII: REGULATORY INFORMATION

SARA Title III: Not Regulated
SARA Product Classification: Not Classified
Acute: N/A
Chronic: N/A
Fire: N/A
Reactivity: N/A
Pressure Generating: Not Pressure Generating
311/312 Hazard Categories: Not Categorized
313 Reportable Ingredients: Not Categorized
TSCA Regulatory: Not Regulated
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

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: 3/12/2004
Supersedes Date:

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Title: Regulatory Affairs