



Woodstream Corporation  
69 North Locust Street  
Lititz, PA 17543

# Material Safety Data Sheet

**MSDS No:** 589  
**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:** 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

## SECTION III: PHYSICAL DATA

<b>Boiling Point:</b> 310 °F	<b>Viscosity:</b> Not Available
<b>Vapor Pressure (mm Hg):</b> 2.0 @ 20 C	<b>Odor:</b> Garlic Like
<b>Vapor Density (AIR=1):</b> 0.012	<b>Specific Gravity (Water=1):</b> 0.914
<b>Bulk Density:</b> 7.625 PPG	<b>Percent, Volatile by Volume %:</b> 25
<b>Freezing Point:</b> Not Available	<b>Evaporation Rate (Xylene=1):</b> Not Available
<b>Solubility in Water:</b> Emulsifiable	<b>Physical State:</b> Liquid
<b>Appearance:</b> Brown Liquid	<b>pH:</b> 6.5-7.5

## SECTION IV: FIRE AND EXPLOSION HAZARD DATA

<b>Flash Point (method):</b> 347 F	<b>NFPA Health Rating:</b> 1
<b>Autoignition Temp.:</b> Not Available	<b>NFPA Fire Rating:</b> 2
<b>Flammable Lel:</b> Not Available	<b>NFPA Reactivity Rating:</b> 0
<b>Flammable Uel:</b> Not Available	<b>Extinguishing Material:</b> Dry Chemical, CO2, alcohol, polymer foam
<b>Hazardous Products of Combustion:</b> Carbon Oxides	
<b>Special Fire Fighting Procedures:</b>	

## 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

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

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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.

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**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

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**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.

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**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.

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**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

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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 wash waters.

**Environmental Fate:** Degrades Rapidly

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## **SECTION XI: TRANSPORTATION INFORMATION**

### **DOT HAZARD DESCRIPTION**

**DOT Proper Shipping Name:** Not Hazardous  
**Identification Number:** None  
**DOT Hazard Class/Division:** None  
**Packaging Group:** None  
**Packaging Instructions:** N/A  
**Special Instructions:** N/A  
**Placard:** None  
**Emergency Response Guide#:** N/A  
**US Surface Freight Class:** See NMFTA Manual

### **IATA CLASSIFICATION**

**IATA Proper Shipping Name:** Not Hazardous  
**IATA Identification Number:**  
**IATA Hazard Class/Division:** N/A  
**Packaging Group:** None  
**IATA Bulk Packaging Inst:** N/A  
**IATA Shipping Notes:** N/A

### **IMO CLASSIFICATION**

**IMO Proper Shipping Name:** Not Hazardous  
**IMO Identification Number:**  
**IMO Hazard Class/Division:** N/A  
**Packaging Group:** None  
**IMO Shipping Notes:** N/A  
**IMO Bulk Packaging Inst:** N/A  
**IMO Stowage Category:** N/A

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## **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  
**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:** 7/5/2011  
**Supersedes Date:** 3/12/2004

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