

Material Safety Data Sheet

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SECTION I: MATERIAL IDENTIFICATION

Product Number/Size: 98424GAL 1 Gallon
Trade Name: Safer Brand® Garden Defense Multi-Purpose Spray Conc
Also Known As: GRDN DEFENSE MP CONC
Description: Insecticide/Fungicide/Miticide CONC
Chemical Composition: 70.0% Clarified Hydrophobic Extract of Neem Oil
Regulatory Licenses: EPA Reg. No. 70051-2-42697

SECTION II: INGREDIENTS

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

SECTION III: PHYSICAL DATA

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

SECTION IV: FIRE AND EXPLOSION HAZARD DATA

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

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

Skin	None Expected
Inhalation	None Expected
Eye	Mild Irritation
Ingestion	None Expected

First Aid

Wash with plenty of soap and water. Get medical attention.

Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. Get medical attention.

Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention.

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

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

pick-up.

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

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
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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