

Section 1 - Product and Company Identification

Product Identifiers:

Product Name: Garden Safe Brand Neem Oil Extract Concentrate
EPA Registration Number: 70051-2-39609
Product Use: Fungicide/Insecticide Concentrate

Details of the Supplier of the Safety Data Sheet:

Manufacturer/Supplier: Chemsico
 Division of United Industries Corp.
 P.O. Box 142642
 St. Louis, MO 63114-0642
For product information: 1-800-257-3379
For medical emergencies: 1-800-633-2873

Section 2 - Hazards Identification

Conforms to Hazard Communication Standard 29 CFR 1910.1200.

GHS Classification of Substance or Mixture: Flammable liquid – category 3

GHS Label Elements:

Hazard pictogram(s):
 Signal word:
 Hazard statements:



WARNING

Precautionary Statements:

- Causes eye irritation (Category 2B)
- Keep away from heat, sparks and open flames. No smoking. Keep container tightly closed. Use explosion-proof equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves/eye protection/face protection.
- In case of fire: Use foam, CO₂ or dry chemical to extinguish. Store in a well-ventilated place. Keep cool.
- Wash hands thoroughly with soap and water after handling. If in eyes: Rinse cautiously with soap and water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Section 3 - Composition / Information on Ingredients

Chemical Name	CAS#	Weight Percent
Clarified hydrophobic extract of Neem Oil	947173-77-5	70.0%

Note: Ingredients not identified are proprietary or non-hazardous. Values are not product specifications.

Section 4 - First Aid Measures

Eye contact:	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.
Skin contact:	No special requirements
Inhalation:	No special requirements
Ingestion:	No special requirements
Notes to physician:	None
General advice:	If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Keep out of reach of children.

Section 5 - Fire Fighting Measures

Flammable properties:	Flammable liquid – category 4; flashpoint = 139°F
Suitable extinguishing media:	Foam, CO ₂ , dry chemical
Unsuitable extinguishing media:	Water
Specific hazards arising from the chemical:	Container may melt and leak in heat of fire. Do not allow run-off from firefighting to enter drains or water courses.
Protective equipment for firefighters:	Firefighters should wear full protective clothing including self-contained breathing apparatus.
Hazardous combustion products:	None known
Sensitivity to mechanical impact:	None known
Explosion data:	Not available
Sensitivity to static discharge:	Not available
Personal precautions:	Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.

Section 6 - Accidental Release Measures

Personal precautions:	Remove all sources of ignition. Wear personal protective equipment. Wash thoroughly after handling.
For emergency responders:	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials.
Environmental precautions:	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
Methods for containment and cleaning up:	Stop leak if without risk. Move containers from spill area. Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with earth, sand or absorbent material swept up and placed in suitable, covered, and labeled containers. Prevent large spills from

entering sewers or waterways. Contact emergency services and supplier for advice. Never return spills in original containers for re-use.

Section 7 - Handling and Storage

Precautions for safe handling:

The following equipment should be worn by handlers, applicators: Long sleeved-shirt, long pants, chemical resistant gloves (such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber or polyvinyl chloride), shoes plus socks. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables use detergent and hot water. Keep and wash PPE separately from other laundry.

Storage:

Keep in original container. Store product in a cool, dry place, away from direct sunlight, feed or foodstuffs. Keep out of reach of children. Keep container tightly closed when not in use. Non-refillable container. Do not reuse or refill this container. Place in trash or offer for recycling if available.

Section 8 - Exposure Controls / Personal Protection

Exposure guidelines:

Components with Occupational Exposure Limits						
		Exposure Limits				
		OSHA PEL		ACGIH TLV		Supplier OEL
Chemical name		ppm	mg/m ³	ppm	mg/m ³	ppm mg/m ³
Clarified hydrophobic extract of Neem Oil	TWA	Not determined		Not determined		Not determined

Engineering controls:

General ventilation normally adequate.

Personal protective equipment:

Eye/Face protection:

During application, prevent entry into eyes. Wear safety glasses with side shields if using in large applications.

Skin and body protection:

The following equipment should be worn by handlers, applicators: Long sleeved-shirt, long pants, chemical resistant gloves (such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber or polyvinyl chloride), shoes plus socks.

Respiratory protection:

None required

General hygiene considerations:

Handle in accordance with good industrial hygiene and safety practice. When using, do not eat or drink. Wash hands before breaks and immediately after handling the product.

Section 9 - Physical & Chemical Properties

Appearance:

Clear

Color:

Brown

Physical state:

Liquid

Odor:	Citrus/garlic
Odor threshold:	No data available
pH:	4.5 - 6.5
Melting point:	37°F
Freezing point:	37°F
Boiling point:	>275°F
Flash point:	139°F
Evaporation rate:	No data available
Flammability limits in air, lower, % by volume:	No data available
Flammability limits in air, upper, % by volume:	No data available
Vapor pressure:	No data available
Vapor density:	No data available
Relative density @ 20°C:	0.86 - 0.95 g/ml
Octanol/water coefficient:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Solubility:	Miscible in water
% Volatile organic compounds:	25 (as packaged)

Section 10 - Chemical Stability & Reactivity Information

Reactivity

Conditions to avoid:	Low temperatures
Incompatible materials:	Avoid strong oxidizers.

Chemical stability

Product stability:	Stable under recommended storage conditions.
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Other

Hazardous decomposition products:	None known
Possibility of hazardous reactions:	Hazardous polymerization does not occur.

Section 11 - Toxicological Information

Primary eye irritation:	Causes moderate eye irritation (EPA tox. category III)
Primary skin irritation:	Non-irritating (EPA tox. category IV)
Acute dermal:	LD ₅₀ > 2000 mg/kg (EPA tox. category III)
Acute inhalation:	LC ₅₀ > 2 mg/L (EPA tox. category IV)
Acute oral:	LD ₅₀ > 5000 mg/kg (EPA tox. category IV)
Sensitization:	Not a skin sensitizer.
Chronic effects:	No data available
Carcinogenicity:	No data available

Mutagenicity:	No data available
Reproductive effects:	No data available
Teratogenicity:	No data available
Ecotoxicity:	No data available

Section 12 - Ecological Information

Environmental effects:	No data available
Aquatic toxicity:	None
Persistence / degradability:	No data available
Bioaccumulation / accumulation:	No data available
Partition coefficient:	No data available
Mobility in environmental media:	No data available
Chemical fate information:	No data available

Section 13 - Disposal Considerations

Waste codes:	Not available
Disposal instructions:	Dispose in accordance with all applicable regulations.
Waste from residues/unused products:	Not available
Contaminated packaging:	Not available

Section 14 - Transportation Information

U.S. Department of Transportation (DOT):	UN1993, Flammable Liquid, N.O.S., Limited Quantity, 3, III
IATA:	UN1993, Flammable Liquid, N.O.S., Limited Quantity, 3, III
IMDG:	UN1993, Flammable Liquid, N.O.S., Limited Quantity, 3, III

Section 15 - Regulatory Information

29 CFR 1910.1200 hazardous chemical Occupational Safety and Health Administration (OSHA):	No
CERCLA (Superfund) reportable quantity:	Not available

Hazard categories

Superfund Amendments and Reauthorization Act of 1986 (SARA):

Immediate Hazard	No
Delayed Hazard	No
Fire Hazard	No
Pressure Hazard	No
Reactivity Hazard	No

Section 302 extremely hazardous Substance: No

Section 311 hazardous chemical: No

Clean Air Act (CAA):	Not available
Clean Water Act (CWA):	Not available
State regulations:	None

FIFRA labeling: This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

Signal word: CAUTION

Precautionary statements:

Causes moderate eye irritation. Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Remove and wash contaminated clothing before reuse.

Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters or rinsate. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off treatment area. Rinsing application equipment over the treated area will help avoid runoff to water bodies or drainage systems.

Notification status: All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

California Prop. 65: This product does not contain any chemicals known to the state of California to cause cancer, birth defects or any other reproductive harm.

Disclaimer: Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

SECTION 16 - OTHER INFORMATION

HMIS ratings:	Health Hazard 1	Flammability 1	Physical Hazard 1
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Formula number(s):	21-1339		
Issue date:	5/26/2016		
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