

# SAFETY DATA SHEET

## I. CHEMICAL PRODUCT INFORMATION

Identity	<b>TerraNeem EC</b> (EPA Reg. No. 88760-5)
UPC	32 fl oz – 872444003103 1 Gallon – 872444003110 2.5 Gallon – 872444003127 55 Gallon – 872444003134 275 Gallon – 872444003097
Intended Purpose	Biopesticide
Manufacturer	Terramera, Inc. 6920 Salashan Pkwy, D-109 Ferndale, WA 98248 +1-800-597-9509
Email	<a href="mailto:msdsinfo@terramera.com">msdsinfo@terramera.com</a>

## II. HAZARD(S) IDENTIFICATION

Health hazards	Does not meet the classification criteria according to OSHA HazCom 2012.
----------------	--

## III. COMPOSITION /INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	%
Cold Pressed Neem Oil	8002-65-1	84.9
Other Ingredients		15.1

The exact concentrations of the above listed chemicals are being withheld as a trade secret as allowed by 29 CFR 1910.1200.

## IV. FIRST AID MEASURES

Inhalation	Remove to fresh air. Seek medical advice if irritation persists.
Eye Contact	Wash with plenty of water. Seek medical advice if irritation persists.
Skin Contact	Remove contaminated clothing. Wash with soap and water. Seek medical attention if irritation persists.
Ingestion	Do not induce vomiting. Never give anything by mouth to a victim who is unconscious or is having convulsions. Get medical advice/attention if you feel unwell.

## V. FIRE FIGHTING MEASURES:

Flash Point	>230 °F (Tag Closed Tester)
Extinguishing Media	Dry chemical powder, CO2 or polymer foam
Special fire-fighting instruction	Ventilate the area. Keep out of smoke. Prevent fire-extinguishing water from contaminating surface water or the ground water system. Firefighters should wear full protective gear.

## VI. ACCIDENTAL RELEASE MEASURES:

Personal precautions	Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Avoid contact with spilled product or contaminated surfaces.
----------------------	---

Methods of cleaning up      Ventilate area of spill. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, sawdust). Collect and transfer the product into a properly labelled and tightly closed container. Clean contaminated floors and objects.

## VII. HANDLING AND STORAGE:

Handling                      Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

Storage                        Store in a cool, dry, dark place below 45°C (113°F). Store in original container, securely closed.

## VIII. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limit              No exposure limit established

Respiratory protection    Adequate ventilation recommended. Respirators are not necessary.

Protective clothing        Normal clothing with chemical resistant gloves

General hygiene            Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking.

## IX. PHYSICAL AND CHEMICAL PROPERTIES

Physical state              Liquid

Color                         Brown at 25 °C

Odor                         Garlic repulsive

Boiling point               Not known

Freezing Point             ~15 °C

Flash point                 >230 °F (Tag Closed Tester; ASTM D-56)

pH                             5.1 (ASTM D5464)

Solubility in water        Insoluble in water, but emulsifiable

Specific Gravity            0.924 at 21 °C

Viscosity                    47.7 mPa\*s at 40 °C (ASTM D445)

Vapor Pressure             Not known

Vapor Density              Not known

## X. STABILITY AND REACTIVITY

General                      Stable and non-reactive under normal conditions of use/storage

Incompatible materials    Incompatible with oxidizing agents, reducing metals, alkalis and acids

Conditions to avoid        Exposure to direct sun light and heat

Hazardous decomposition   Will not occur

Hazardous polymerization   Will not occur

## XI. TOXICOLOGY INFORMATION

Oral (Rat)                  >5000 mg /kg.

Inhalation                  >2.53 mg/l air

Eye irritation	Non irritant
Dermal (Rat)	>5000 mg/kg
Skin irritation	Non irritant
Ingestion	None known
Chronic effects	None known

**XII. ECOLOGICAL INFORMATION**

Ecotoxicity	Not classified as environmentally hazardous. However, the label directs not to use directly on water or contaminate water.
Degradability	Active ingredient will degrade when exposed to sun light.

**XIII DISPOSAL CONSIDERATIONS**

Dispose in accordance with the product label directions and local, state and federal regulations. Do not put into sewer lines.

**XIV TRANSPORT INFORMATION**

This material is not classified as dangerous goods / hazardous material.

**XV. REGULATORY INFORMATION**

OSHA	:	None
TSCA	:	None
CERCLA	:	None
RCRA	:	None
<b>SARA Title III</b> Section 302, 311/312, 313:		None
CA Prop 65	:	None
US State Right to Know	:	None

**XVI. OTHER INFORMATION**

<b>Version#:</b> 03	<b>Revision Date:</b> 04/19/2018
<b>Reason for Revision:</b> Reformulation	
<b>Note to User:</b> This version is applicable to TerraNeem EC with UPC's listed on page 1. For older batches manufactured prior to January 2018, use Version# 02-3.	

**Declaration:** The information in this SDS relates to this specific material: TerraNeem EC. It may not be valid for this material if used in combination with any other material or in any process. The information in the Safety Data Sheet is offered for your consideration and guidance when exposed to this product. Terramera, Inc. expressly disclaims all expressed or implied warranties and assume no responsibilities for the accuracy or completeness of the data contained herein. It is the user's responsibility to satisfy themselves as to the suitability and completeness of this information for their specific use and application. The data in this SDS does not apply to use with any other product or in any other process. This Safety Data Sheet may not be changed, or altered in any way without the expressed knowledge and permission of Terramera, Inc.