

# SAFETY DATA SHEET

## I. CHEMICAL PRODUCT INFORMATION

Product Name **TerraNeem EC**  
EPA Registration Number 88760-5  
Manufacturer Terramera, Inc.  
6920 Salashan Pkwy, D-109  
Ferndale, WA 98248  
+1-800-597-9509  
Email [msdsinfo@terramera.com](mailto:msdsinfo@terramera.com)

## II. HAZARD(S) IDENTIFICATION

Physical hazards Flammable liquids Category 3  
Health hazards Does not meet the classification criteria according to OSHA HazCom 2012.



Signal word  
Hazard statement  
Precautionary statement  
Prevention

Warning  
Flammable liquid and vapor.

Response  
Storage  
Disposal

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.  
In case of fire: Use appropriate media to extinguish.  
Store in a well-ventilated place. Keep container tightly closed.  
Dispose of contents/container in accordance with local/regional/national/international regulations.

## 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:

General Hazard      Flammable liquid  
Extinguishing Media      Alcohol resistant foam. Water fog. Carbon dioxide (CO<sub>2</sub>). Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.

### Special Fire fighting Instructions

Ventilate the contaminated area. Evacuate area. Remove all sources of ignition. Firefighters should wear full protective gear. Move containers from fire area if you can do it without risk. Use water spray to cool unopened containers. Do not scatter spilled material with high-pressure water streams. Prevent fire-extinguishing water from contaminating surface water or the ground water system.

### Hazardous combustion products

Carbon oxides. Other irritating fumes and smoke.

## VI. ACCIDENTAL RELEASE MEASURES:

Land Spill      Ventilate area of spill and clean up with detergent and water.  
Water spill      Dyke around spill. Absorb or collect in containers for disposal.

## VII. HANDLING AND STORAGE:

Handling      Explosion-proof general and local exhaust ventilation. Minimize fire risks from flammable and combustible materials (including combustible dust and static accumulating liquids) or dangerous reactions with incompatible materials. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment.  
Storage      Keep away from heat, sparks and open flame. Store in a cool, dark, dry place below 45°C (113°F)

## VIII. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation      Adequate ventilation recommended  
Respiratory Protection      None necessary  
Protective clothing      Normal clothing with chemical resistant gloves  
General hygiene      When using do not smoke. 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      Clear Brown at 25 o C  
Odor      Combined alcoholic and alliaceous (onion and garlic) smell  
Boiling point      Not known  
Freezing Point      15°C      (59°F)  
Flash point      >24.2°C      (>75.6°F)

pH	5.06
Solubility in water	Soluble
Specific Gravity	0.907 gram/millilitre
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 light, heat, sparks, open flames.
Hazardous Decomposition	Possible at higher temperatures and may liberate irritating fumes
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.

#### **XIV TRANSPORT INFORMATION**

DOT

UN number	UN1993
UN shipping name	Flammable liquids, n.o.s. (alcohol)
Transport hazard class	3
Packing group	III
Packaging exceptions	150

Packaging non bulk	203
Packaging bulk	242

## XV. REGULATORY INFORMATION

The labeling requirements under federal pesticide law differ from the classification criteria and hazard information required for material safety data sheets (MSDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The proposed pesticide label being reviewed by the Environmental Protection Agency includes other important information, including directions for use.

### CAUTION

OSHA	: None Known
TSCA	: None Known
CERCLA	: None Known
RCRA	: None Known

### SARA Title III

#### Section 302

Extremely Hazardous substances : N/A

#### Section 311/312

Hazardous Categories : N/A

#### Section 313

Toxic Chemicals : N/A

## XVI. OTHER INFORMATION

**Date of issue:** 30 March 2015

**Date of Last Revision:** 27 May 2016

### 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.