

Material Safety Data Sheet

Product Name: Neem Oil Insecticidal Soap Concentrate
Contact: Organica, Inc.
111 Great Neck Road, Suite 320
Great Neck, New York 11021
(800) 571-3009
Emergency Telephone: (703) 361-9508
Common Synonyms: Liquid neem soap (alcohol free)
EPA Registration No.: 70191-1
Primary Hazards: Severe Eye Irritant

Section 1 – Material Identification

Common Name: Potassium salts of C₁₂ – C₁₈ fatty acids
Chemical Name: Potassium salts of C₁₂ – C₁₈ saturated & unsaturated aliphatic carboxylic acids
Molecular Formula: Trade secret
CAS Numbers: Trade secret
Percent: 25%

Section 2 – Physical Data

Boiling Point: 98°C @ 760 mmHg
Melting Point: ≤ 4°C
Vapor Pressure: Not applicable
Specific Gravity: 1.04
Solubility in Water: Highly soluble
pH: 9.2 – 9.5 @ 20 – 25°C
Appearance: Dark brown liquid
Odor: Soap-like

Section 3 – Fire and Explosion Data

Flash Point: > 251°C
Method: Closed Cup Method
Extinguishing Media: Not Applicable
Special Fire Fighting Procedures: None Required
Unusual Fire and Explosion Hazards: None

Section 4 – Reactivity

Stability: Stable
Hazardous Polymerization: None Likely
Materials to Avoid: Concentrate mineral supplements (fertilizers), strong oxidizing agents
Hazardous Decomposition Products: Decomposition may produce carbon dioxide.

Section 5 – Health Hazards

Primary Route of Entry:	Dermal
Exposure Limit:	No OSHA TLV
Corrosivity:	Corrosive
Skin/Eye Irritation:	Mild irritant to skin, severe irritant to eyes.
Sensitization:	Not a sensitizer
Effects of Overexposure:	Irritation to skin & mucous membranes, possible irreversible eye damage.
Toxicity:	None of the components of this product are listed as carcinogenic by NTP, IARC, or OSHA.
Acute studies:	
Oral LD 50 (Rat):	> 16,900 mg/kg (low toxicity)
Dermal LD50 (Rabbit):	> 5,000 mg/kg (low toxicity)
Inhalation LC50 (Rat):	Not expected to constitute an acute inhalation hazard.
Eye Irritation (Rabbit):	Corneal injury (opacity) reversed by day 28 in unrinsed eyes, reversed by day 7 in rinsed eyes.

Section 6 – First Aid

Emergency First Aid Procedures:

If Swallowed:	Give demulcent (milk)
If Inhaled:	Remove to fresh air.
If in Eyes:	Flush eyes with plenty of water. Get medical attention.
If on Skin:	Wash affected area.

Section 7 – Spill, Leak, and Disposal Procedures

Steps To Be Taken In Case Material Is Released Or Spilled.

Avoid contact with skin and eyes.
Contain leaking liquid with sand or other noncombustible material, the place in clean container for disposal.

Section 8 – Special Handling

Respiratory Protection:	Ensure good ventilation. Specific respiratory protection should not be necessary.
Eye Protection:	Goggles or safety glasses should be used whenever there is a possibility of splashing or other contact with eyes.
Protective Gloves:	Waterproof gloves are recommended when repeated or prolonged exposure is likely.
Protective Clothing:	Coveralls and shoes plus socks.

Although general guidance has been provided, the degree of protection required in a particular situation depends on factors such as concentration and exposure time. More detailed advise on protective devices is available from Organica, Inc.

Section 9 – Special Precautions

Precautions To Be taken In Handling and Storing:

Keep in original container, tightly closed in a safe place.
Empty container completely and dispose of safely.
Wash any contamination from skin and eyes immediately.
Remove any heavily contaminated clothing immediately.
Wash hands and exposed skin before eating, drinking or smoking and after working with the product.

Environmental Hazards:

Do not apply to lakes, streams or ponds.
Do not contaminate water by cleaning of equipment or disposal of wastes.

Section 10 - Shipping Regulations

Proper Shipping Name: None
Description: None
DOT Label(s) Required: None
Freight classification: Insecticides or Fungicides, Agricultural
N.O.I., Other Than Poisons.
NMFC 102120 Class 60

SARA Title III Hazard Classification:

Immediate (acute) Health: No
Delayed (chronic) Health: No
Fire: No
Sudden Release of Pressure: No
Reactive: No

National Fire Protection Association Rating:

Health: 1
Flammability: 0
Reactivity: 0

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