

Ozone Biotech INDIA
Plot No. 6, Mathura Road,
Faridabad, Haryana 121003

EMERGENCY TELEPHONE NUMBER

+ 91 0129 4196800

PRODUCT INFORMATION

Trade Name: Ozoneem Trishul 5% EC,
Description: Insect Growth Regulator / Botanical Extract Insecticide
Active Ingredients: 5.0 Wt % Azadirachtin
Inert Ingredients: Proprietary solvent / surfactant blend

CAS Number:	Azadirachtin A -11141-17-6 Azadirachtin B -95507-03-2	OSHA PEL:	Not Established
DOT Shipping Name:	NA	ACGIH TLV:	Not Established
DOT Hazard Class:	Not Regulated		
Technical Shipping Name:	Neem EC 50000ppm (5%)		

PHYSICAL DATA

Boiling Point:	> 200°C	pH:	6 – 6.5
Specific Gravity:	0.95 – 1.25	Evaporation Rate:	Not Determined
Vapor Density:	Not Determined	Odor:	Characteristic Neem fragrant Odor
Water Solubility:	Emulsifiable in water	Appearance:	Brown viscous liquid
Molecular Weight:	720 (Azadirachtin A) 662 (Azadirachtin B)	Empirical Formula:	C ₃₅ H ₄₄ O ₁₆ (Azadirachtin A) C ₃₃ H ₄₂ O ₁₄ (Azadirachtin B)
Acidity:	< 0.24		

HEALTH HAZARDS / EFFECTS

Hazard Statements:	CAUTION Keep out of Reach of Children
Exposure Signs and Symptoms:	Unknown
Medical Conditions Aggravated by Exposure:	Unknown
Threshold Limit Value:	Unknown
Routes of Entry:	Eyes, skin, oral, inhalation
NTP Listing:	Not Listed
Carcinogen:	No



HEALTH HAZARDS:

Acute Toxicity:	Acute oral - Rat LD ₅₀ > 765.8 mg/kg Acute Oral -Mice LD ₅₀ > 1570.4 mg/kg Acute Dermal – Rabbit LD ₅₀ > 5g/kg Primary skin Irritation-Rabbit> Non Irritant Skin Sensitization-Guinea Pig> No sensitization
Chronic Toxicity:	Mutation Assay - Non-Mutagenic Neuro-toxicity - No Neuro-toxicity Reproductive Toxicity - NOAEL 5000 mg/kg Carcinogen city - Non Carcinogenic Effect on spray operators - No adverse effects

HEALTH PROTECTION MEASURES

Respiratory Protection:	NIOSH approved organic vapor respirator.
Ventilation:	Use under well ventilated conditions.
Protective Clothing:	Long -sleeved shirt and long pants , shoes plus socks , chemical-resistant gloves.
Eye Protection:	Safety goggles recommended.
Hygienic Practices:	Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not re-use them.

FIRE AND EXPLOSION HAZARD DATA

Flash Point:	>24.5° C	LEL:	NA
Flammable Limits:	Not Determined	UEL:	NA
Extinguishing Media:	Polymer Foam, Dry Chemical	Special fire fighting Procedures:	Wear protective clothing and face shields

REACTIVITY DATA

Hazardous Decomposition:	None known	Stability:	Stable
Hazardous Polymerization:	Will not occur	Condition to Avoid:	Open flame, temperatures above 95° F and direct sunlight
Materials to avoid:	Acid, Alkali or Oxidizing Agents		

SPILL, DISPOSAL, AND STORAGE PROCEDURES

If Material is Spilled or Released:	Recover free product. Use absorbent material to minimize runoff of mixed product.
Waste Disposal Method:	This product may be hazardous to fish and aquatic invertebrates. Do not contaminate water when cleaning equipment or disposing of equipment wash waters. Rinse water and unused diluted product may be disposed of on site or in an approved waste disposal facility.
Method of Storage:	Do not store above 95° F

EMERGENCY AND FIRST AID PROCEDURES

Skin:	Wash with soap and water. Remove contaminated clothing. Seek medical attention if irritation persists.
Eyes:	Immediately flush with a steady, gentle stream of water for at least 15 minutes. Seek medical attention if irritation persists.
Inhalation:	Remove victim to fresh air. Get medical attention if irritation persists.

INFORMATION ORIGIN**Ozone Biotech**

(A Division of Shivanshu Sintered Products Pvt. Ltd.)

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