

**SUNSHIV BOTANICS**

Faridabad, Haryana 121001  
INDIA

**Emergency Telephone Number**

**+ 91 7011823838**

<b>1. PRODUCT</b>	
Trade Name	AZASUN 10,000 PPM (1% EC)
Chemical Name	Azadirachtin

<b>2. INGREDIENTS:</b>	Azadirachtin – 1.0% Others – 99%		
CAS Number:	11141-17-6	OSHA PEL:	Not Established
DOT Shipping Name:	NA	ACGIH TLV:	Not Established
DOT Hazard Class:	Not Regulated		
Technical Shipping Name:	Neem EC 10,000 PPM		

<b>3. PHYSICAL AND CHEMICAL PROPERTIES</b>			
Boiling Point:	>100° C	pH:	6.5 to 7.5
Specific Gravity:	0.88-0.96	Moisture:	<2.0%
Vapor Density:	3.4	Odour:	Characteristic Neem Odour
Water Solubility:	100% Soluble	Appearance:	Clear Brown Liquid
Molecular Weight:	720.71 g/mol (Azadirachtin-A) 662.7 g/mol (Azadirachtin-B)	Empirical Formulae:	C <sub>35</sub> H <sub>44</sub> O <sub>16</sub> (Azadirachtin-A) C <sub>33</sub> H <sub>42</sub> O <sub>14</sub> (Azadirachtin-B)
Acidity:	<1.0%	Aflatoxin Content	Not Detectable

#### 4. HAZARDS IDENTIFICATION

Natural material and formulations may be Hazardous

CAUTION: Keep Out of Reach of Children

#### 5. FIRST AID MEASURES

First Aid For Eyes:	Immediately rinse eyes with a lot of water. Hold eyelids apart to rinse the entire surface of the eyes and lids. Do not apply any medicating agents except on the advice of a physician
First Aid For Skin:	Wash with plenty of soap and water, including hair, and under Fingernails. Do not apply any medicating agents except on the advice of a physician. Remove contaminated clothing and de-contaminate the place affected.
First Aid For Inhalation:	Move the victim from the contaminated area to fresh air. Apply artificial respiration, if necessary.
First Aid For Ingestion:	If the victim is fully conscious, immediately give large quantities of water to drink and get medical help. Never give anything by mouth to an unconscious person.

#### 6. TOXICOLOGICAL INFORMATION

Acute Toxicity	<p>Acute Oral – Rat LD<sub>50</sub>&gt; 1000 mg/Kg</p> <p>Acute Oral Mice LD<sub>50</sub>&gt; 1000 mg/kg</p> <p>Acute Dermal – Rabbit LD<sub>50</sub> &gt; 5000 mg/kg</p> <p>Primary skin Irritation-Rabbit &gt; may cause mild irritations.</p> <p>Skin Sensitization-rabbit&gt; may cause mild irritations.</p>
Chronic Toxicity:	<p>Mutation Assay - Non-Mutagenic</p> <p>Neuro-toxicity - No Neuro-toxicity</p> <p>Reproductive Toxicity - NOAEL 5000 mg/kg</p> <p>Carcinogen city - Non-Carcinogenic</p> <p>Effect on spray operators – No adverse effects</p>

## 7. ACCIDENTAL RELEASE MEASURES

Ventilation:	NIOSH approved organic vapor respirator. Use under well ventilated conditions.
Protective Clothing:	Long -sleeved shirt and long pants, shoes plus socks.
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.

## 8. FIRE AND EXPLOSION DATA

Flash Point:	>115° F	LEL:	NA
Flammable Limits:	Not Determined	UEL:	NA
Extinguishing Media:	Chemical Powder / CO <sub>2</sub> , Water	Special Fire fighting Procedures	Wear protective clothing and face shields

## 9. STABILITY AND REACTIVITY DATA

Hazardous Decomposition	Possible at Higher Temp.		
Hazardous Polymerization	Will not occur	Stability:	Stable
Materials to avoid:	Incompatible with Acid, Alkali or Oxidizing Agents	Condition to Avoid:	Open flame, temperatures above 35°C and direct sunlight

## 10. HANDLING AND STORAGE PROCEDURES

Method of Storage:	Store in Cool & Dry Place. Avoid Direct Sunlight.
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## 11. DISPOSAL CONSIDERATIONS

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.

## 12. EXPOSURE CONTROLS AND PERSONAL PROTECTION

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.

## 13. Ecological Information

Effect on honeybees	harmless
Effect on earthworms	harmless (>1000 mg/kg)
Effect on predators	harmless
Hazard to soil microflora	not hazardous

#### **14. TRANSPORT INFORMATION**

Not hazardous material in regards to transportation regulations.

#### **15. REGULATORY INFORMATION**

Designation According to Guidelines	No hazardous material.
Water hazard class	Non water hazardous material
OSHA status	Not Applicable

#### **16. INFORMATION ORIGIN**

##### **SUNSHIV BOTANICS PVT. LTD.**

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