

SUNSHIV BOTANICS

Faridabad, Haryana 121001
INDIA

Emergency Telephone Number

+ 91 7011823838

| 1. PRODUCT | |
|-------------------|-------------------------------|
| Trade Name | Neem AzaS 3,000 PPM (0.3% EC) |
| Chemical Name | Azadirachtin |

| 2. INGREDIENTS: | | Azadirachtin - 0.3% | |
|--------------------------|-------------------|---------------------|-----------------|
| | | Others - 99.7% | |
| CAS Number: | 11141-17-0 | OSHA PEL: | Not Established |
| DOT Shipping Name: | NA | ACGIH TLV: | Not Established |
| DOT Hazard Class: | Not Regulated | | |
| Technical Shipping Name: | Neem EC 3,000 PPM | | |

| 3. PHYSICAL AND CHEMICAL PROPERTIES | | | |
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| Boiling Point: | >100° C | pH: | 6.5 to 7.5 |
| Specific Gravity: | 0.86-0.94 | Moisture: | <2.0% |
| Vapor Density: | 3.4 | Odour: | Characteristic Neem Odour |
| Water Solubility: | 100% Soluble | Appearance: | Clear Brown Liquid |
| Molecular Weight: | 720 (Azadirachtin-A) 662 (Azadirachtin-B) | Empirical Formulae: | C ₃₅ H ₄₄ O ₁₆ (Azadirachtin-A) C ₃₃ H ₄₂ O ₁₄ (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

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| 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 decontaminate 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

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| Acute Toxicity | <p>Acute Oral – Rat LD₅₀> 1000 mg/Kg</p> <p>Acute Oral Mice LD₅₀> 1000 mg/kg</p> <p>Acute Dermal – Rabbit LD₅₀ > 5000 mg/kg</p> <p>Primary skin Irritation-Rabbit > may cause mild irritations.</p> <p>Skin Sensitization-rabbit> 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 | |
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| 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 | | | |
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| Flash Point: | >115° F | LEL: | NA |
| Flammable Limits: | Not Determined | UEL: | NA |
| Extinguishing Media: | Chemical Powder / CO ₂ , Water | Special Fire fighting Procedures | Wear protective clothing and face shields |

| 9. STABILITY AND REACTIVITY DATA | | | |
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| 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

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

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| If Material is Spilled or Released: | Recover free product. Use absorbent material to minimize runoff of mixed product. |
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| 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. |
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12. EXPOSURE CONTROLS AND PERSONAL PROTECTION

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

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| 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

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| 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.

Plot No. 5E, Opp. Yamaha Plant,
 Additional Industrial Area, Faridabad-121001 (Haryana) INDIA

Email: info@sunshivbotanics.com | **Tel.:** +91-7011823838

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