

**SUNSHIV BOTANICS**  
Faridabad, Haryana 121001  
INDIA

**Emergency Telephone Number**

**+ 91 7011823838**

<b>1. PRODUCT</b>	
Trade Name	Neem AzaS- Technical
Description : Active	Azadirachtin

<b>2. INGREDIENTS:</b>			
	Azadirachtin – 25-30% others - 70-75%		
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:	Azadirachtin Technical (NEEM EXTRACT)		

<b>3. PHYSICAL AND CHEMICAL PROPERTIES</b>			
Boiling Point:	No data	pH:	No data
Specific Gravity:	No data	Evaporation Rate:	NA
Vapor Density:	No data	Odour:	Characteristic Neem Odour
Water Solubility:	No data	Appearance:	Cream Colour Powder
Molecular Weight:	720 (Azadirachtin-A) 662 (Azadirachtin-B)	Empirical Formula:	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:	No data		

**4. HAZARDS IDENTIFICATION**

Natural material and its formulations may be Hazardous  
CAUTION : Keep Out of Reach of Children

**5. FIRST AID MEASURES**

Exposure Signs and Symptoms:	Eye irritation and or Sneezing, coughing and difficulty breathing
Medical Signs Symptoms:	Unknown
Medical Conditions Aggravated by Exposure:	Unknown
Threshold Limit Value:	
Routes of Entry:	Eyes, skin, oral, inhalation
NTP Listing:	Not Listed
Carcinogen:	No

**6. TOXICOLOGICAL INFORMATION**

Acute Toxicity	<p>Acute Oral – Rat LD<sub>50</sub>&gt; 765.8 mg/Kg</p> <p>Acute Oral – Mice LD<sub>50</sub> &gt; 1570.4 mg/liter/4h</p> <p>Acute Dermal – Rabbit LD<sub>50</sub> &gt; 5g/kg</p> <p>Primary skin Irritation-Rabbit&gt; Non Irritant</p> <p>Skin Sensitization-Guinea Pig&gt; No sensitization</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.
Protective Clothing:	Use under well ventilated conditions. 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:	No Data	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 95°F 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:
Eyes:	Immediately flush with a steady, gentle stream of water for at least 15 minutes. Seek medical attention if irritation persists. Inhalation.
Inhalation:	Remove victim to fresh air. Get medical attention of 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**

No hazardous material in regard 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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