

Material Safety Data Sheet

AzaSol Insecticide

Date of Issue: May 2010

Arborjet, Inc.
99 Blueberry Hill Rd
Woburn, MA 01801
Product information: 1-781-935-9070

Section 1: Product Identification

DESIGNATION:
Formulated neem seed extract containing 6% w/w sp Azadirachtins.
DESCRIPTION:
Pale yellow, free-flowing solid with characteristic pungent odour and taste of neem.
ACTIVE INGREDIENT (a.i.):
Azadirachtin A & B.
CHEMICAL FAMILY:
Tetranortriterpenoid.
CAS No. (a.i.):
11141-17-6
MOLECULAR WEIGHT. (a.i.):
720

Section 2: Research Centre

Vittal Mallya Scientific Research Foundation
PB 406, KR Road,
Bangalore - 560004
India.
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Section 3: Composition

Azadirachtin - 6% w/w
Other ingredients - 94% w/w

Section 4: Hazards Identification

KEEP OUT OF REACH OF CHILDREN
Route(s) of entry: Skin and eye contact, inhalation and ingestion.
Eyes: May cause eye irritation on contact.
Skin: May cause irritation.
Ingestion: May be harmful if swallowed in large amounts.
Inhalation: May cause irritation
CARCINOGENICITY: None known

Section 5: First Aid Measures

EYES: Immediately flush eyes with plenty of water. Get medical attention if irritation persists.
SKIN: Wash with soap and water. Rinse with plenty of water. Get medical attention if any irritation develops.
INHALATION: No specific treatment is necessary since then material is not likely to be hazardous by inhalation. If exposed to excess levels of powder fumes remove to fresh air, and get medical attention if symptoms develop.
INGESTION: Swallowing less than 5.0g should not cause significant harm. For larger amounts, immediately dilute swallowed product with large quantities of water. Seek medical attention immediately.

Section 6: Fire Fighting Measures

FIRE EXTINGUISHING MEDIA: Water, dry powder, sand, foam, CO2
FIRE FIGHTING INSTRUCTIONS: Do not breath vapors. Fire fighter should wear normal protective equipment (full bunker gear) and positive-pressure self-contained breathing apparatus.
EXPLOSIVITY:
Will burn if involved in a fire
Mechanical impact – will not occur
Static discharge – will not occur
HAZARDOUS COMBUSTION PRODUCTS: Fumes and vapors of unknown composition.

Section 7: Accidental Release Measures

Use adequate ventilation. Use chemical resistant gloves; masks, coveralls, long sleeved shirts, shoes plus socks.

This material is a water pollutant and should be prevented from entering sewers and drainage systems and bodies of water.
Clean up: Absorb spills with moist swab and place in a chemical waste container. (See Expose Controls/Personal Protection Section.)

Section 8: Handling and Storage

Handling : Use recommended personal protection equipments. Avoid dust formation and contact with eyes. Keep container closed, use only in well-ventilated area. Wash thoroughly after handling. Avoid prolonged breathing of dust vapors.
Storage: Temperature min/max-4°C/25°C.
Special sensitivity: Heat, light, moisture.

Section 9: Exposure Control/Personal Protection (PPE)

Eye Protection Requirement: Safety glasses, splash goggles or face shield. Contacts should not be worn.
Skin Protection: Chemical resistant gloves such as barrier laminate, Viton, butyl rubber, nitrile rubber, or neoprene rubber (>=14 mil). Coveralls, long sleeved shirt, shoes plus socks.
pH: NA

Section 10: Chemical and Physical Properties

Appearance:
Off-white free flowing powder
Odor: Characteristic neem odor
Sp. Gravity: 0.15-0.22 gm/ml
PH of 1% solution: 6-7
Solubility: 0.1g/5ml water at 25°C

Section 11: Toxicological Information

The dermal LD50 for wistar rats is over 2,000mg/kg b.w.
Acute oral LD 50 in rats is 5000mg/kg b.w
No indication of carcinogenicity, mutagenicity & Teratogenicity.

Section 12: Ecological Information

Not expected to kill fish at recommended dosage rates. Will cause significant fish kill if large concentrations reach waterways. Breaks down rapidly (100hrs) in water or light, and will not cause long-term effects. No significant effects on other wild life.
Chemical fate information: Accumulation in the environment is not expected. Biodegradation is expected in a wastewater treatment plant.

Section 13: Disposal Consideration

Waste disposal method – Waste must be disposed of in accordance with Federal, state and local environmental control regulations. Empty containers should be triple rinsed, and then can be placed in the local landfill or incinerated.

Section 14: Transport Information

By road/air/sea: Non-hazardous material

Section 15: Regulatory Information

US EPA Registered: 81899-4.
Contains no Volatile Organic Compounds.
The information herein is given in good faith, but no warranty, expressed implied, is made. SoluNeem is registered trademark of VMSRF, India.

Section 16: Other Information

For any non-emergency questions about this product call: 1-781-935-9070
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The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, either expressed or implied, is made with respect to the information contained herein.