

ASHOKA AGRI SOLUTION

A/p. Pokharni, Tal. Walwa, Dist. Sangli. Pin 416 301.
Cell No. 09823445426 (MAH)

GST : 27AWBPP5294Q1ZN



1. Product/ Company Information

Product Name : Karanje Oil 2% EC
Product use : BioPesticide to control mites and sucking insects
Manufacturer's Name : Ashoka Agri
Manufacturer's Address : 188 17 AP POKharni Tal walwa
DIST Sangli 416301

2. Product composition

| Components | Composition (%) W/W |
|----------------------------|---------------------|
| Karanjin | 2 |
| Karanj extract, Karanj oil | 10 |
| Solvent and emulsifiers | q.s. |

Ingredients not precisely identified are proprietary and/or non-hazardous.

3. Identification of Danger

Danger category and abbreviation: No symbol assigned

Danger to the health of human and environment: No risk expected.

Emergency Overview

The product is a light to dark brown liquid with a characteristic odour which is intended to be used as a BioPesticide for control of mites, thrips, scales and sucking insects. There is no specific antidote for any form of irritation observed from use of Karanje Oil. Treat symptomatically. Immediately seek medical attention.

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4. First Aid Measures

Symptoms: Exposure to the product does not cause acute symptoms of toxicity

First Aid for Eyes

Drift of spray will cause eye irritation. Wear eye protection equipment. In case of eye irritation immediately flush eyes with water for 20 minutes. Hold the eye lids apart to rinse the entire surface of eyes and lids. No medicating agents should be applied except on the advice of physician.

First Aid for Skin

Wash skin with soap and water, including hair and under finger nails. No medicating agents should be applied except on the advice of physician. Remove contaminated clothing and footwear.

First Aid for Inhalation

Move victim from contaminated area to fresh air. Encourage the victim to blow nose to ensure clear breathing occurs. Apply artificial respiration, if necessary. In the event of physical complaints arising, seek medical advice.

First Aid for Ingestion

If product is ingested and If any irritation is observed give plenty of water to drink and consult a physician. In the event of physical complaints arising, seek medical advice immediately. If poisoning is suspected, consult a physician immediately/ visit the nearest hospital / nearest Poison control centre. The concerned examiner should be informed the complete product name and details and amount of exposure. Describe the symptoms and follow the advice given.

Potential Health Effects:

Routes(s) of Entry: Eye, Skin, Oral, Inhalation

Human effects and symptoms of exposure: Causes irritation of eyes.

Acute eye contact: Causes irritation.

Chronic eye contact: Chronic exposure Is not likely from normal use.

Acute skin contact: May cause irritation.

Chronic ingestion: Chronic exposure Is not likely from normal use.

Medical conditions generally aggravated by exposure: Not known.

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5. Firefighting measures

- **Suitable extinguishing agents:** carbon dioxide, foam or water jet.
- **Unsuitable extinguishing agents:** Not applicable.
- **Protective equipment:** Breathing apparatus and protective clothing.
- **Supplementary information:** The product is not inflammable under normal storage conditions.
- **Incompatibles:** Avoid contamination with oxidizing agents like nitrates, oxidizing acids, chlorine and chlorine bleaches.

6. Accidental Release Measures

Environment precautions: Contain spillage.

Cleaning Spills: Wash the spill area with water and detergent, absorb with absorbent material. Seal the container, label it and handle in an approved manner.

Supplementary information: None

7. Handling and Storage

Storage Temperature: Store in ambient temperature, not more than 45 degrees Celsius. Keep container closed after use. Store in a dry place.

Storage requirements: Store the material in a well ventilated, clean, cool and dry place out of reach of children and domestic animals. Keep containers tightly closed when not in use.

Handling requirements:

Wash hands with soap and water after handling product.

Wash the container with plain water. Use the water for soil drenching or irrigation. Plastic containers may be recycled as per local laws.

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Shelf Life: Use before expiry date printed on label.

Special sensitivity: None.

Handling precautions: Follow normal hygienic and housekeeping standards for agricultural products.

8. Exposure Controls/ Personal Protection

Oral protection requirements: Avoid eating, drinking, tobacco usage and cosmetic application in areas where there is a potential for exposure to the material. Always wash thoroughly after handling the product.

Eye protection equipments: To avoid eye contact, wear safety goggles with side shields. DO NOT WEAR contact lenses as they pose a special hazard. Contact lenses absorb irritants and concentrate them thereby being a potential eye hazard.

Skin protection requirements: To avoid skin contact, wear rubber gloves, rubber boots, long-sleeved shirt, long pants, head cap.

Gloves: The material choice is based on frequency and duration of use. For prolonged and frequent uses it is recommended to use a glove with a protection class of 5 or higher (breakthrough time 240 minutes and higher according to EU374 safety standard is recommended). For brief contact it is recommended to use a glove with a protection class of 3 or higher (breakthrough time 60 minutes and higher according to EU374 safety standard is recommended). Wash hands with soap and water after removing gloves. Dispose contaminated gloves.

Respiratory / ventilation requirements: To avoid breathing drift, use adequate ventilation and wear a NIOSH-approved dust or pesticide respirator with a dust filter. Use a positive flow mask if significant quantities of dust become airborne.

Safety gear: Wear chemical safety glasses with side shields or chemical proof goggles, rubber gloves, rubber boots, long sleeved shirt, long pants, head cap, NIOSH approved dust or pesticide respirator with a dust filter.

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Safety gear images :



9. Physical and Chemical Properties

Physical State : Liquid

Colour : Dark brown

Specific Gravity g/ml @ 24 degree Celsius : 0.85 to 0.95

Bulk density : Not applicable

Odour : Characteristic bitter odour (repulsive smell)

Miscibility : Emulsifiable in water

pH : 5.0 - 6.0

Stability : Stable at normal storage conditions

Corrosion : Nil

Flash point : 38-42 degree Celsius

% Volatile volume : Not more than (NMT) 20%

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Vapour pressure : Not determined

Vapour density : Not determined

Melting Point : Not applicable

Boiling Point : >200 degree Celsius

Freezing Point : Below 10 degree Celsius

Evaporation Rate : Very slow at room temperature (24 degree Celsius)

10. Stability and Reactivity

- **Stability:** Product is stable through its shelf life at room temperature
- **Hazardous Decomposition Products:** Solvent component of the formulation is hydro carbon product and decomposes slowly in soil.
- **Decomposition:** Botanical extract component and the oil are biodegradable and the solvent component decomposes slowly.
- **Compatibility:** Compatible with BioPesticides , BioFertilizers , Soluble fertilizers , Chemical pesticides, Biostimulants , Micronutrients and Foliar agricultural inputs.
- **Conditions to Avoid:** Heat, flames, ignition sources and incompatibles. Temperature above 45 °C.

11. Toxicological Information

Toxicological studies are not available. The ingredients used are not known to be toxic to vertebrates.

A Note

Prolonged contact with eyes, skin and respiratory tract may cause irritation. The product is formulated using whole extract of seeds of *Pongamia pinnata* / *Pongamia glabra* (*karanj tree*)

12. Ecological Information

- Totally bio-degradable in nature.
- Accumulation: Not anticipated to bioaccumulate.

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- The product contains non –pathogenic, non-hazardous and non-toxic, naturally occurring constituents.
- Other adverse effects: Not expected.
- Not known to be toxic to earthworms, butterflies, bees and aquatic organisms

13. Disposal Considerations

Do not reuse product packing materials and residues. Dispose the product packing materials and residues according to local state and federal health and environmental regulations.

Dispose empty containers, surplus material and washings from spray equipments in a safe manner so as to prevent environmental or water pollution, or contamination of food and animal feed.

Never use the empty containers for storing food or water.

14. Transportation Information

Transportation Data : The product is not regarded as hazardous material for all modes of transportation.

15. Regulatory Information

The product is not registered under the Central Insecticides Board (CIB) – Indian Pesticides Regulatory. The product is approved for use in organic agriculture under NPOP India.

16. Other Information

Ashoka Agri provides the information contained herein in good faith, in compliance with the Occupational Safety and Health Act of 1970. To the best of our knowledge, the information contained herein is accurate. However, Ashoka Agri does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All material may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards, which exist.

This product is recommended for use in agriculture