

Material Safety Data Sheet

פניקס 500

Revised: 17.03.11

1. IDENTIFICATION OF SUBSTANCE AND COMPANY

Common name: Phoenix 500

Use: Insecticide

Formulation Type: SC

Manufacturer: Tapazol Chemical works ltd.

Address: HaSolela 1, West ind. Zone, Beit Shemesh, 99052.

Tel: 972-2-992-6040 **Fax:** 972-2-9926050 **e-mail:** info@tapazol.co.il

2. COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS no.	Quantity (g/l)
Diafenthiuron	80060-09-9	500
Other non-hazardous ingredients	N/A	Till 1 liter

3. HAZARDS IDENTIFICATION

Human Hazards: The product is harmful by ingestion, inhalation and contact with skin. The product may cause eye and skin irritation and skin sensitization.

Environmental hazards: The product is very toxic to aquatic organisms. The product is toxic to bees and birds.

4. FIRST AID MEASURES

Eyes: Flush eyes with large amounts of water until irritation subsides. If irritation persists, get medical attention.

Skin: Flush with large amounts of water. Use soap or detergent if available. Remove grossly contaminated clothing, including shoes, and launder before reuse.

Ingestion: If swallowed, DO NOT induce vomiting. Keep at rest. Get prompt medical attention.

Inhalation: Wear proper respiratory protection before rescue. Immediately remove the affected victim from exposure to an area of fresh air. Administer artificial respiration if breathing has stopped. Keep at rest and call for prompt medical attention.

Note to physician: Treat symptomatically, no specific antidote.

5. FIRE-FIGHTING MEASURES

Flash point: >100°C.

Flammable properties: Not combustible or flammable.

Extinguishing media: Water spray, CO₂, dry powder, foam.

Protective equipment: Wear normal fire-fighting clothes and self contained breathing apparatus.

Hazardous products of combustion may include: CO, NO₂, SO₂.

6. ACCIDENTAL RELEASE MEASURES

Personal protection: Wear personal protective equipment as prescribed in section 8 – "Exposure controls/Personal protection".

Environmental Protection: Prevent the material from entering sewage and water courses.

Procedure: Absorb with material such as sand or sawdust and collect into containers for disposal. Dike area in case of large spills. Report large spills.

For spills in public area, keep public away and advise local authorities.

Wash clothes, equipment and work area after cleaning.

7. HANDLING AND STORAGE

Storage: Store in tightly closed original container in a cool, dry well-ventilated area out of direct sunlight and out from the reach of children. Do not store with food, feedstuffs, fertilizers and seeds.

Handling: Wear personal protective equipment as prescribed in section 8 – "Exposure controls/Personal protection".

Do not eat, drink or smoke while handling.

Change clothes and wash thoroughly when finishing working with the product.

Wash working clothes in separate from household laundry and do not re-use clothes that are not washed.

See product label for further handling/storage precautions relative to the end use of this product.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

ENGINEERING CONTROLS: LOCAL EXHAUST OR GENERAL VENTILATION TO MAINTAIN EXPOSURE BELOW PEL.

Engineering controls: Local exhaust ventilation is recommended to control process emission near the source.

Eye and Face protection/Respiratory protection: Half face mask with ABEK filter.

Skin/body protection: PVC gloves, long working clothes, closed shoes.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Light gray fluid paste.

Odor: Non specific.

Water solubility: Dispersible.

Specific gravity: 1.07-1.09 g/ml (at 20°C).

pH: 7.0-7.5.

10. STABILITY AND REACTIVITY

Chemical stability: Stable under normal handling and storage conditions.

Conditions to avoid: Heat, flame, ignition sources, dusting and incompatibles, such as strong oxidizers.

Hazardous decomposition products: Thermal decomposition may emit toxic fumes of carbon monoxide and dioxide.

Hazardous polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:

Oral: LD50 for rats: >2000 mg/kg.

Dermal: LD50 for rats: >2000 mg/kg.

Inhalation: Low toxicity by inhalation.

Skin irritation: Moderate irritant (rabbit).

Eye irritation: Mild irritant (rabbit).

Skin sensitization: Potential sensitizer (mouse).

12. ECOLOGICAL INFORMATION

For AI Diafenthiuron:

Fish: Very highly toxic. LC_{50} (96h) for Carp: 0.0038 mg/l, for Rainbow trout: 0.0007 mg/l, for Bluegill sunfish: 0.0013 mg/l. Under field conditions there is no significant hazard due to rapid degradation.

Daphnia: LC_{50} (48h): 0.15 microgram/l.

Algae: IC_{50} (72h): >50 mg/l.

Birds: Acute oral LD_{50} for Bobwhite quail and Mallard ducks: >1500 mg/kg.

Dietary LC_{50} (8d) for Bobwhite quail and Mallard ducks: >1500 mg/kg.

Bees: LD_{50} (48h): 2.1 microgram/bee (oral), 1.5 microgram/bee (contact). Under field conditions no significant hazard.

13. DISPOSAL CONSIDERATIONS

Dispose of according to local regulations. Avoid entry of product into sewer system or water surfaces.

14. TRANSPORT INFORMATION

UN no.: 3082 (Environmentally hazardous substance, liquid).

Class: 9

Packaging group: III

Marine pollutant: Yes.

15. REGULATORY INFORMATION

R phrases:

R20/21/22: Harmful by inhalation, in contact with skin and if swallowed

R36/38: Irritating to eyes and skin

R43: May cause sensitization by skin contact

R50/53: Very toxic to aquatic organisms, May cause long-term adverse effects in the aquatic environment

R57: Toxic to bees

16. OTHER INFORMATION

Disclaimer: The information provided by TAPAZOL CHEMICAL WORKS Ltd.

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