

Material Safety Data Sheet

פניקס 250

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1. IDENTIFICATION OF SUBSTANCE AND COMPANY

Common name: Phoenix

Use: Insecticide

Formulation Type: SC

Manufacturer: Tapazol Chemical works Ltd.

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2. COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS no.	Quantity (g/l)
Diafenthiuron	80060-09-9	250
Non hazardous ingredients	N/A	Till 1 liter

3. HAZARDS IDENTIFICATION

Human hazard: The product is harmful by ingestion and in contact with skin and may cause moderate skin irritation, mild eye irritation and skin sensitization.

Environmental hazard: The product is very toxic to fish and aquatic organisms and toxic to bees.

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: Immediately remove the affected victim from exposure to an area of fresh air. Administer artificial respiration if breathing has stopped. Keep at rest. Call for prompt medical attention

Note to physician: No specific antidote, treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash point: >100°C.

Flammable properties: Not combustible or flammable.

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

Protective equipment: Regular protecting 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.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering controls: The use of local exhaust ventilation is recommended to control process emission near the source.

Eye/ Face protection: Safety goggles with side shields or half face mask.

Skin/Body protection: Long working clothes, closed shoes, PVC gloves.

Respiratory protection: Approved NIOSH/MSHA respirator with ABEK filter.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Light gray fluid paste.

Odor: Non specific.

Flash point: >100°C.

Water solubility: Dispersible.

Specific gravity: 1.050 g/cm³ (20°C).

pH: 7.0-7.5

10. STABILITY AND REACTIVITY

Chemical stability: Stable under ordinary conditions of use and storage.

Conditions to avoid: Heat, flame, ignition sources, dusting.

Hazardous decomposition products: Toxic fumes of carbon monoxide.

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 (rabbits).

Eye irritation: Mild irritant (rabbits).

Skin sensitization: Potential sensitizer (mouse).

12. ECOLOGICAL INFORMATION

For AI Diafenthiuron:

Fish: Very highly toxic. LC50 (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 to non toxic metabolites.

Daphnia: LC50 (48h): <0.15 microgram/l.

Algae: Slightly toxic. IC50 (72h): >50 mg/l.

Birds: Oral LD50 for bobwhite quail and mallard ducks: 1500 mg/kg.

Dietary LC50 (8d) for bobwhite quail and mallard ducks: 1500 mg/kg.

No acute hazard under field conditions.

Bees: Toxic to honeybees. LD50 (48h): 2.1 microgram/bee by oral, 1.5 microgram/bee by contact. No significant hazard under field conditions.

Worms: LC50 (14d): 2600 mg/kg.

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, n.o.s)

Class: 9

Packaging group: III

Marine pollutant: Yes.



15. REGULATORY INFORMATION

R phrases:

R21: Harmful in contact with skin

R22: Harmful if swallowed

R43: May cause sensitization by skin contact

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

16. OTHER INFORMATION

Disclaimer: The information provided by TAPAZOL CHEMICAL WORKS Ltd. In the above document is given in good faith and to the best of our knowledge. However, no warranty is expressed or implied.