

Material Safety Data Sheet

Shunit - שונית

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1. IDENTIFICATION OF SUBSTANCE AND COMPANY

Common name: Shunit

Use: Insecticide growth regulator

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)
Teflubenzuron (Chemical group: Benzoylurea)	83121-18-0	150
Propylene Glycol	57-55-6	75
Other non-hazardous ingredients	N/A	Till 1 L

3. HAZARDS IDENTIFICATION

Human hazards: Harmful by ingestion and inhalation, may cause slight eye irritation.

The non-active ingredient Propylene Glycol may have chronic effects (see section 11).

Environmental hazard: Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment



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אזור תעשייה מערבי בית שמש 99052 טל': 02-9926040, פקס: 02-9926050
www.tapazol.co.il • info@tapazol.co.il



4. FIRST AID MEASURES

Eyes: Immediately wash eyes with water for at least 15 minutes with open eyelids. Seek medical attention if irritation develops or persists.

Skin: Immediately remove contaminated clothing and foot wear and flush skin with plenty of water.

Ingestion: Do not induce vomiting. Wash out mouth with clean water. Seek medical attention immediately. Never give anything by mouth if patient is unconscious.

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. Call for prompt medical attention.

Note to physician: No specific antidote, treat symptomatically. Administer corticosteroid dose aerosol to prevent pulmonary edema.

5. FIRE-FIGHTING MEASURES

Flash point: $>100^{\circ}\text{C}$.

Flammable properties: The product is non-combustible and not explosive.

Extinguishing media: Dry chemical and carbon dioxide.

Protective equipment: Self contained breathing apparatus and protective clothing.

Hazardous products of combustion may include: Carbon monoxide, carbon dioxide, hydrogen fluoride, hydrogen chloride, nitrogen oxides.

Further information: Call the fire fighters at once to deal with all fires involving pesticides unless the fire is small and immediately controllable.

Spray unopened containers to keep cool. Contain the fire fighting water, bounding if necessary with sand or earth. Do not allow contamination of public drains or surface or ground water.

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. Inform local authorities if spillage enters drains, surface or ground waters.

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

Decontaminate all personal protective equipment after use. When this is not possible dispose of as contaminated wastes.

Engineering controls: engineering controls of operator exposure must be used where reasonably practicable.

Eye/ Face protection: Safety glasses and face shield.

Skin/Body protection: Long pants, long sleeved shirt, closed shoes and nitrile, neoprene or PVC gloves.

Respiratory protection: NIOSH/MSHA approved respirators may be necessary to prevent overexposure by inhalation. .

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Off-white liquid.

Odor: Characteristic odor.

Water solubility: Disperses.

Density: 1.012.

pH: 6.9-7

Viscosity: 984 mPas

10. STABILITY AND REACTIVITY

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

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

Hazardous decomposition products: Carbon monoxide, carbon dioxide, hydrogen fluoride, hydrogen chloride, nitrogen oxides.

Hazardous polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:

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

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

Inhalation: LC50 for rat: >1.08 mg/l.

Skin irritation: Non-irritant (rabbit).

Eye irritation: Minimal irritant (rabbit).

Skin sensitization: Non-sensitizer (mouse).

Chronic toxicity:

Based on animal data, Propylene Glycol may have mutagenic, reproductive and teratogenic effects.

12. ECOLOGICAL INFORMATION

For AI Teflubenzuron:

Fish: LC50 (96h) for rainbow trout and carp: >500 mg/l.

Daphnia: LC50 (28h): 0.001 mg/l.

Birds: Acute oral LD50 for quail: >2250 mg/kg. Dietary LC50 for quail and ducks: >5000 mg/kg.

Bees: Non-toxic to bees when used at recommended rates. LD50 (topical): >1000 microgram/bee.

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

15. REGULATORY INFORMATION

R phrases:

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

S phrases:

S1/2: Keep locked up and out of the reach of children

S3/7/9: Keep container tightly closed in a cool, well-ventilated place

S20/21: When using do not eat, drink or smoke

16. OTHER INFORMATION

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