

Material Safety Data Sheet

דיימונד - Diamond

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1. IDENTIFICATION OF SUBSTANCE AND COMPANY

Common name: Diamond

Use: Fungicide

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

2. COMPOSITION / INFORMATION ON INGREDIENTS

Name	CAS no.	Quantity (g/l)
Dimethomorph (C ₂₁ H ₂₂ ClNO ₄)	110488-70-5	500
Propylene Glycol	107-98-2	70

3. HAZARDS IDENTIFICATION

Slightly toxic by ingestion and by contact with skin. May cause mild eye irritation.

The non-active ingredient Propylene glycol may affect the central nervous system in prolong exposure and may also have reproductive effects.

4. FIRST AID MEASURES

Eyes: Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes.

Remove contact lenses, if present, after first 5 minutes and then continue rinsing

Skin: Remove contaminated clothing. Rinse skin immediately with plenty of water for 15 - 20 minutes.

Ingestion: Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

Inhalation: Remove the affected individual into fresh air and keep the person calm. Assist in breathing if necessary.

Note to Physician: No specific antidote, treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash point: >97°C.

Extinguishing media: Foam, dry extinguishing media, carbon dioxide, water spray.

Protective equipment: Firefighters should be equipped with self-contained breathing apparatus.

Hazardous products of combustion may include: Toxic vapors of carbon monoxide, carbon dioxide, nitrogen oxides, and acid halides.

Environmental precautions: Contain contaminated water/firefighting water. Do not allow to enter drains or waterways.

6. ACCIDENTAL RELEASE MEASURES

Personal protection: Take appropriate protective measures. Clear area. Shut off source of leak only under safe conditions.

Extinguish sources of ignition nearby and downwind. Ensure adequate ventilation. Wear suitable personal protective clothing and equipment.

Environmental Protection: Do not discharge into the subsoil/soil. Do not discharge into drains/surface waters/groundwater. Contain contaminated water/firefighting water.

Cleaning Procedure: Dike spillage. Pick up with suitable absorbent material. Place into suitable containers for reuse or disposal in a licensed facility. Spills should be contained, solidified, and placed in suitable containers for disposal. After decontamination, spill area can be washed with water. Collect wash water for approved disposal.

7. HANDLING AND STORAGE

Handling: Ensure adequate ventilation. Keep away from sources of ignition.

Handle and open container with care. Do not open until ready to use.

Once container is opened, content should be used as soon as possible.

Avoid aerosol and dust formation.

Provide means for controlling leaks and spills.

Do not return residues to the storage containers.

Follow label warnings even after container is emptied.

The product must be handled only by appropriately trained personnel. Wear suitable personal protective clothing and equipment. Avoid contact with skin, eyes and clothing. Avoid inhalation of dusts/mists.

Protection against fire and explosion: The relevant fire protection measures should be noted. Fire extinguishers should be kept handy. Avoid all sources of ignition: heat, sparks, and open flame. Avoid extreme heat and keep away from oxidizable substances.

Electrical equipment should conform to national electric code. Ground all transfer equipment properly to prevent electrostatic discharge. Electrostatic discharge may cause ignition.

Storage: Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame. Protect containers from physical damage and from contamination. Store away from foods, animal feeds and incompatible substances.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

General safety and hygiene measures: Wear long sleeved work shirt and long work pants in addition to other stated personal protective equipment.

Work place should be equipped with a shower and an eye wash. Handle in accordance with good industrial hygiene and safety practice.

Eye / Face protection: Safety glasses with side-shields (frame goggles).

Skin / Hand protection: : Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical- protection suit, chemical resistant protective gloves (nitrile).

Respiratory protection: Wear respiratory protection if ventilation is inadequate. Wear a NIOSH-certified (or equivalent) TC23C Chemical/Mechanical type filter system to remove a combination of particles, gas and vapors.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Viscous liquid.

Color: White.

Odor: Characteristic.

Density: 1.16 g/ml (20°C).

pH: 8.5

Viscosity: 157 mPa*sec

Flash point: >97°C

Solubility in water: Forms a suspension

10. STABILITY AND REACTIVITY

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

Conditions to avoid: Avoid heat, sparks, open flame, electro-static discharge and contamination.

Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

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 (4 h) for rat: 2 - 5 mg/l.

Skin irritation: Non-irritant (rabbit).

Eye irritation: Minimal irritant (rabbit).

Skin sensitization: Non-sensitiser (mouse).

Chronic toxicity:

The active ingredient Dimethomorph is not carcinogenic, mutagenic, teratogenic and does not have reproductive effects.

The non-active ingredient Propylene glycol may affect the central nervous system in prolong exposure and also may have reproductive effects.

12. ECOLOGICAL INFORMATION

Information for AI Dimethomorph:

Fish: LC50 (96 h) for Rainbow trout: 6.2 mg/l.

Daphnia: EC50 (48 h): 10.6 mg/l.

Algae: EC50 (96h): 29.2 mg/l.

Birds: LD50 for mallard ducks and bobwhite quail: >2000 mg/kg.

Dietary LC50: >5200 ppm.

Bees: Non toxic to honeybees (>100 microgram/bee by contact, >32 microgram/bee by oral).

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

R51 Toxic to aquatic organisms.

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

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.

