

SAFETY DATA SHEET

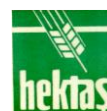
(according to Regulation (EC) No. 1907/2006)

PRODUCT NAME: **TROWEL 050 EC**

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1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Name TROWEL 050 EC

1.2. Relevant identified uses of the substance or mixture and uses advised against

Product Description: Insecticide

1.3. Details of the supplier of the safety data sheet

Company: HEKTAŞ TİC. T.A.Ş

Address: Gebze OSB Mahallesi 700. Sok. No: 711/1 P.K. 41400 Gebze / Kocaeli / Turkey

Telephone: +90 262 751 14 12

E-mail: sds@hektas.com.tr

1.4. Emergency telephone number

Telephone: +90 262 751 14 12

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

According to Regulation (EC) No 1272/2008 [CLP]

Flammable liquid, Category 3, H226

Skin sensitization, Category 1, H317

Skin irritation, Category 2, H315

Acute toxicity, Category 4, H332

Chronic aquatic toxicity, Category 2, H411

2.2 Label elements



Warning

Hazard Statements:

H226: Flammable liquid and vapour

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H317: May cause an allergic skin reaction

H315: Causes skin irritation

H332: Harmful if inhaled

H411: Toxic to aquatic life with long-lasting effects

EUH401: To avoid risks to human health and the environment, comply with the instructions for use.

Precautionary statements:

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

P280: Wear protective gloves/protective clothing/eye protection/face protection

P302+352: IF ON SKIN: Wash with plenty of water and soap

P261: Avoid breathing dust/fumes/gas/mist/vapours/spray

P273: Avoid release to the environment

P501: Dispose of contents/container to in accordance with local regulation

2.3. Other hazards: No information available.

For the classifications not written out in full in this section the full text can be found in section 16.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

3.2 Mixtures

Hazardous Component	% by Weight	CAS Number	Classification
Lufenuron	5 – 5.5	103055-07-8	Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Ketone	0-10	108-94-1	Flam. Liq. 3, H226 Acute Tox. 4, H332
Aromatic Hydrocarbon	>50	1330-20-7	Flam. Liq. 3, H226 Acute Tox. 4, H312 Skin Irrit. 2, H315 Acute Tox. 4, H332

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4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice

Move out of dangerous area. Place and transport victim in stable position (lying sideways). Remove contaminated clothing immediately and dispose of safely.

Inhalation

Move to fresh air. Keep patient warm and at rest. If effects occur, consult a physician.

Skin contact

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison Control center or doctor for treatment advice if effects persist.

Eye contact

Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, and then continue rinsing eyes. Call a poison control center or doctor for treatment advice if effects persist.

Ingestion

Do not induce vomiting unless told to do so by the poison control center or doctor. Never give anything by mouth to an unconscious person. Get medical attention immediately.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: No information available.

Risks: No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment: The first aid procedure should be established in consultation with the doctor responsible for industrial medicine.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing Media: Water spray, Carbon dioxide (CO₂), Foam, Dry chemical

5.2 Special hazards arising from the substance or mixture

Combustion may produce carbon monoxide, carbon dioxide, corrosive gases and vapors.

5.3 Advice for firefighters

Special protective equipment for fire-fighters

In the event of fire and/or explosion do not breathe fumes.

Wear positive-pressure, self-contained breathing apparatus and full protective clothing.

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Further information

Contain the spread of the fire-fighting media.

Do not allow run-off from fire-fighting to enter drains or water courses.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with spilled product or contaminated surfaces.

Use personal protective equipment.

6.2. Environmental precautions

Do not allow to get into surface water, drains and ground water.

6.3. Methods and material for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).

Clean contaminated floors and objects thoroughly, observing environmental regulations.

Keep in suitable, closed containers for disposal.

6.4. Reference to other sections

Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Advice on safe handling:

Use only in area provided with appropriate exhaust ventilation. Avoid skin and eye contact.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers: Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.

Advice on common storage: Keep away from food, drink and animal feedingstuffs.

7.3. Specific end use(s): No information available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

8.2. Exposure controls

Personal protective equipment

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Respiratory Protection: Wear respirator

Hand Protection: Wear impermeable gloves to avoid skin contact. Wash hands always before eating, drinking, smoking or using the toilet.

Eye protection: Use chemical goggles.

Skin and body protection: protective clothing as necessary to prevent skin contact.

Hygiene measures:

Avoid contact with skin, eyes and clothing.

Keep working clothes separately.

Wash hands before breaks and at the end of workday.

Remove soiled and/or soaked clothing immediately and clean thoroughly before using again.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Form: clear liquid

Colour: light yellow

Density: 0.850 -0.950 g/cm³ at 20 °C

pH(%10): 5.0-8.0

Water Solubility: emulsifiable

Vapour Pressure: 4 x 10⁻³ mPa (25 °C) (lufenuron)

9.2. Other information: No information available.

10. STABILITY AND REACTIVITY

10.1. Reactivity: Stable under recommended storage conditions

10.2. Chemical stability: Stable under recommended storage conditions

10.3. Possibility of hazardous reactions: No hazardous reactions when stored and handled according to prescribed instructions.

10.4. Conditions to avoid: Stable under recommended storage conditions

10.5. Incompatible materials: No information available.

10.6. Hazardous decomposition products: No hazardous reactions when stored and handled according to prescribed instructions.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Active ingredient data: Lufenuron

LD₅₀ oral (rat): > 2000 mg/kg

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LD₅₀ skin (rabbit): > 2000 mg/kg
LC₅₀ inhalation (rat): 2.35 mg/l / 4 h

Non-irritating to eyes (rabbits).
Non-irritating to skin (rabbits).

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Active ingredient data: Lufenuron

Bobwhite Quail LD₅₀ > 2000 mg/kg

Rainbow trout LC₅₀ > 73 mg/L/96h

Daphnia EC₅₀: Toxic

12.2. Persistence and degradability: No information available.

12.3. Bioaccumulative potential: logP = 5.12 (25 °C)(lufenuron)

12.4. Mobility in soil: No information available.

12.5. Results of PBT and vPvB assessment: No information available.

12.6. Other adverse effects: No information available.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

In accordance with federal, provincial and local regulations.

14. TRANSPORT INFORMATION

UN-No 1993

Class 3

Packaging group III

Description of the goods **FLAMMABLE, LIQUID N.O.S (aromatic hydrocarbon)**

15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulation (EC) No. 1907/2006

16. OTHER INFORMATION

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H411: Toxic to aquatic life with long-lasting effects
H400: Very toxic to aquatic life
H410: Very toxic to aquatic life with long-lasting effects
EUH401: To avoid risks to human health and the environment, comply with the instructions for use.

The information and recommendations contained herein are provided in good faith and are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with the respect to the information herein.

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