

SAFETY DATA SHEET

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

PRODUCT NAME: TORPEDO EC
REVISION DATE: 12.12.2016
VERSION: 05
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1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Name Torpedo 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: G.O.S.B. İhsan Dede Cad. 700. Sok. 41480 Gebze / KOCAELİ

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 Irritation (Category 2) H315

Acute toxicity (Category 3), H301

Acute toxicity (Category 2), H330

Acute toxicity (Category 4), H312

Chronic aquatic toxicity, Category 1, H410

2.2 Label elements



Danger

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Hazard Statements:

H226: Flammable liquid and vapour

H315: Causes skin irritation

H301: Toxic if swallowed

H312: Harmful in contact with skin.

H330: Fatal if inhaled.

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.

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

P301+310: IF SWALLOWED: Immediately call a POISON CENTER/doctor

P260: Do not breathe 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
Abamectin	1.8-2	71751-41-2	Repr. 2, H361D Acute Tox. 2, H300 Acute Tox. 1, H330 STOT RE 1, H372 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Aromatic Hydrocarbon	80-90	-	Flam. Liq. 3, H226 Acute Tox. 4, H332 Acute Tox. 4, H312 Skin Irritation 2, H315

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

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

If overdose is taken, give the patient 1-2 cups of water to vomit. Never give anything by mouth to an unconscious person. Do not induce vomiting unless told to do so by the poison control center or doctor. Get medical attention immediately.

NOTE: There is no special antidote. Symptomatic treatment is applied. In case of poisoning the patient should be exacerbated within 30 minutes. Medical charcoal should be given. GABA-inducing drugs (barbiturate, benzodiazepine, valproic acid) should not be given.

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: Carbon dioxide (CO₂), Foam, Dry chemical, Water Fog

5.2 Special hazards arising from the substance or mixture

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Combustion may produce toxic compounds of carbon monoxide, carbondioxide

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.

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

Wash contaminated area with water. Put the resulting solutions into the waste container.

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

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8.1 Control parameters

8.2. Exposure controls

Personal protective equipment

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

Appearance: Yellow to brown colored clear liquid

Smell: Characteristic odor

pH(%10): 5.0-7.0

Boiling Point/Boiling range: No information available.

Flash Point: >23 °C

Explosion Properties: Not Detected.

Oxidation Properties: None.

Vapour Pressure: 2×10^{-4} mPa 25°C (Abamectin)

Density: 0.850 – 0.950 g/cm³ (20°C)

Solubility: Soluble in aromatic hydrocarbon

Water Solubility: Emulsified in water

Viscosity: -

Vapor Density: Not applicable.

Evaporation Rate: Not applicable.

9.2. Other information: No information available.

10. STABILITY AND REACTIVITY

10.1. Reactivity:

10.2. Chemical stability:

10.3. Possibility of hazardous reactions:

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10.4. Conditions to avoid: Stable under recommended storage conditions

10.5. Incompatible materials: Strong acids and alkaline materials.

10.6. Hazardous decomposition products: Thermal decomposition toxic gases are released.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute Oral Toxicity LD₅₀: 10 (in sesame oil) mg/kg (rats)

Acute Dermal Toxicity LD₅₀: >2000 mg / kg (rabbits)

Acute Inhalation LC₅₀: No information available (rats)

Moderately irritating to eyes (rabbits).

Not dermal sensitiser (rabbits)

Skin irritation No information available.

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity: Toxic to fish. Do not contaminate waters.

Active ingredient data: Abamectin

Bobwhite quail: >2000 mg/kg

Rainbow trout: 96 hour LC₅₀= 3.2 mg / l

Bluegill sunfish: 96 hour LC₅₀= 9.6 µg/l

Daphnia: (48 hour) EC₅₀=0.34 ppb

12.2. Persistence and degradability: No information available.

12.3. Bioaccumulative potential: No information available.

12.4. Mobility in soil: Microbial degradation in soil is very rapid.

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.

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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

H226: Flammable liquid and vapour

H300: Fatal if swallowed

H315: Causes skin irritation

H301: Toxic if swallowed

H312: Harmful in contact with skin

H330: Fatal if inhaled

H332: So Harmful if inhaled

H361: Suspected of damaging fertility or the unborn child

H372: Causes damage to organs through prolonged or repeated exposure

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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