

SAFETY DATA SHEET

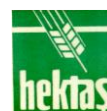
(according to Regulation (EC) No. 1907/2006)

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

1.1. Product identifier

Product Name: Arrivo 25 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 Mah. 700. Sok. No:711/1 41400 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

STOT SE (Category 3), H335

Skin Irritation (Category 2), H315

Acute toxicity (Category 4), H302

Acute toxicity (Category 4), H312

Acute toxicity (Category 4), H332

Chronic aquatic toxicity (Category 1), H410

2.2 Label elements



Warning

Hazard Statements:

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H226: Flammable liquid and vapour
H302: Harmful if swallowed
H312: Harmful in contact with skin
H315: Causes skin irritation
H332: Harmful if inhaled
H335: May cause respiratory irritation
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.
P273: Avoid release to the environment.
P261: Avoid breathing dust/fumes/gas/mist/vapours/spray
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P302+352: IF ON SKIN: Wash with plenty of water.
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
Cypermethrin	25	52315-07-8	Acute Tox. 4, H332 Acute Tox. 4, H302 STOT SE, 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Aromatic Hydrocarbon	60-70	-	Skin Irrit. H315 Flam. Liq. 3 H226 Acute Tox. 4, H332 Acute Tox. 4, H312

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Emulsifier	3-10	-	-
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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.

Symptoms of intoxication: Inactivates the cholinesterase enzyme in the blood. Headache, dizziness, irritability, visual disturbance and blurriness, diarrhea, weakness, difficulty breathing, sweating, drooling, vomiting, bruising, pupil diarrhea, tremor, muscle twitching, spasm and reflex disorder.

NOTE: There is no special antidote. Treatment is applied according to the symptoms.

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

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5.1 Extinguishing media

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

5.2 Special hazards arising from the substance or mixture

Combustion may produce nitrogen oxides, hydrogen chloride, ethyl sulfite, diethyl sulfide and various chlorinated organic compounds.

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

Remove ignition sources. Soak up with inert absorbent material. 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

Avoid skin and eye contact. Wash hands before eating, drinking, chewing gum, using tobacco.

Avoid breathing vapors or mist. Avoid contact with clothing. Wash clothing after use. Wash thoroughly after handling.

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7.2. Conditions for safe storage, including any incompatibilities

Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from food, drink and animal feeds. Keep away from heat, sparks and flames.

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

Respiratory Protection: Wear respirator. Use with adequate ventilation

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

Eye protection: Wear safety glasses to avoid eye contact

Skin and body protection: Wear standard coverall

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 : Light brown- red clear liquid
- ❖ Smell : characteristic fragrant
- ❖ pH(%10): 4.0 – 8.0
- ❖ Explosive property : No
- ❖ Flash Point: 26°C
- ❖ Boiling point : Unknown
- ❖ Flammability temperature : No
- ❖ Oxidation properties : No
- ❖ Distribution coefficient (n-octanol/water): logP = 6.6(cypermethrin)
- ❖ Vapor pressure 2.0 10⁻⁴ mPa (20 °C)(cypermethrin)
- ❖ Density : 0.960 gr/cm³ (20°C)
- ❖ Water Solubility: In water it is emiline.
- ❖ In oil : Unknown
- ❖ Fluidity (Viscosity) : Fluid

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- ❖ Vapor density : Not apply
- ❖ Evaporation rate : Not apply

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: Cypermethrin is hydrolyzed in an alkaline environment DT50: 1.8 days (pH 9, 25 ° C)

10.5. Incompatible materials: Unknown.

10.6. Hazardous decomposition products: Carbon monoxide, Carbon dioxide, Hydrogen cyanide, Hydrogen chloride

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Active ingredient data:

Cypermethrin

LD₅₀ oral rat: 250 mg/kg

LD₅₀ dermal rabbit: > 4920 mg/kg

LC₅₀ inhalation rat: 2.5 mg/l air /4h

Slightly irritating to eyes and skin (rabbits).

Not irritating to skin (guinea pig).

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Active ingredient data:

Cypermethrin

Mallard Duck oral LD50: > 10000 mg/kg

Rainbow Trout LC50 (96 h): 0,69 µg/l

Daphnia LC50 (48 h): 0,15 µg/l

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12.2. Persistence and degradability: Soil DT₅₀: 60 days (cypermethrin)

12.3. Bioaccumulative potential: logP = 6,6(cypermethrin)

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

14.1. UN-No **3351**

14.2. Description of the goods: **PYRETHROID PESTICIDE, LIQUID, TOXIC, FLAMMABLE (cypermethrin, aromatic hydrocarbon)**

14.3. Class: **6.1 (3)**

14.4. Packaging group: **III**

14.5. Environmental Hazards: Cypermethrin

14.6. Precautions for User

14.7. Public transport according to MARPOL 73/78 Annex II and IBC code

14.8. Tunnel Code: (D / E)

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

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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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