

SAFETY DATA SHEET

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

PRODUCT NAME: HEKTAŞ ZENON
REVISION DATE: 02.02.2021
VERSION: 01
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1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Name Hektaş Zenon

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

Product Description: Herbicide

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
Acute toxicity (Category 4), H312
Acute toxicity (Category 4), H332
Skin Irritation (Category 2), H315
Skin Sensitization (Category 1), H317
Chronic aquatic toxicity, Category 2, H411

2.2 Label elements



Warning

Hazard Statements:

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H226: Flammable liquid and vapour
H312: Harmful in contact with skin
H315: Causes skin irritation
H317: May cause an allergic skin reaction
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.

P273: Avoid release to the environment.

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
Pinoxaden	5-6	243973-20-8	Skin Irrit. 2, H315 Acute Tox. 4, H332 Skin Sen. 1, H317 Eye Sen. 2, H319 STOT SE 3, H335
Cloquintocet- mexyl	20-22	99607-70-2	Skin Sen. 1, H317
Aromatic Hydrocarbon	53-55	-	Skin Irrit. 2, H315 Flam. Liq. 3 H226 Acute Tox. 4, H332 Acute Tox. 4, H312

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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

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 of nitrogen oxides and carbon oxides.

5.3 Advice for firefighters

Special protective equipment for fire-fighters

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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.

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

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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

Form: clear liquid

Colour: light brown colored

Density: 0.918 g/cm³ (20°C)

pH(%10): 4.0-7.0

Flash Point: > 28 °C (Closed cup-Abel Pensky)

Kow LogP =3.2 (pinoxaden)

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: Strong oxidizing agents, strong bases

10.6. Hazardous decomposition products: No hazardous reactions when stored and handled according to prescribed instructions. During a fire this product may release smoke and hazardous decomposition products, generating nitrogen oxides and carbon oxides.

11. TOXICOLOGICAL INFORMATION

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11.1. Information on toxicological effects

Pinoxaden

LD₅₀ oral rat: >5000 mg/kg

LD₅₀ skin rabbit: >2000 mg/kg

LC₅₀ inhalation rat: >5,22 mg/l air/4h

Skin contact: Not Irritating. (rabbit)

Eye contact: Irritating. (rabbit)

Skin sensitivity: Not Sensitizing. (Guinea pig)

Cloquintocet-mexyl

LD₅₀ oral rat: >2000 mg/kg

LD₅₀ skin rabbit: >2000 mg/kg

LC₅₀ inhalation rat: >0.935 mg/l air/4h

Skin contact: Not Irritating. (rabbit)

Eye contact: Not Irritating. (rabbit)

Skin sensitivity: Sensitizing. (Guinea pig)

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Pinoxaden

Bobwhite quail LD₅₀ > 2250 mg/kg

Mallard Duck LC₅₀ > 5620 mg/kg

Bee LD₅₀ > 200 µg/bee

Daphnia LC₅₀: 52 mg/l/48 h

Cloquintocet-mexyl

Mallard Duck LD₅₀ > 2000 mg/kg

Rainbow Trout LC₅₀ (96 h): 76 mg/l

Daphnia LC₅₀ (48 h) >100 mg/l

12.2. Persistence and degradability: No information available.

12.3. Bioaccumulative potential: Kow logP = 3,2 (pinoxaden)

12.4. Mobility in soil: No information available.

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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

H226: Flammable liquid and vapour

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H315: Causes skin irritation

H317: May cause an allergic skin reaction

H319: Causes serious eye irritation

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.

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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