

# SAFETY DATA SHEET

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

PRODUCT NAME: **ELPIS**  
REVISION DATE: 13.12.2016  
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## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

Product Name Elpis

### 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: GOSB 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]

Chronic aquatic toxicity, Category 1, H410

### 2.2 Label elements



#### Warning

Hazard Statements:

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:

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P273: Avoid release to the environment.

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

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
Imazamox	3-4	114311-32-9	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Glycol	15-20	107-21-1	Acute Tox. 4, H302
Other	76-82	-	-

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

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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 (CO<sub>2</sub>), 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

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.

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## 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

### 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

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## 9.1. Information on basic physical and chemical properties

Form: clear liquid

Colour: yellow colored

Density: 1.000- 1.100 g/cm<sup>3</sup> (20°C)

pH(%10): 6.0-10.0

Vapour Pressure: <math>1,3 \times 10^{-2}</math> mPa (25 °C)(imazamox)

Distribution coefficient (n-oktanol/su): logP = -1,03 (pH 5) (imazamox)

**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

### 11.1. Information on toxicological effects

Active ingredient data: Imazamox

LD<sub>50</sub> oral rat: 5000 mg/kg

LD<sub>50</sub> skin rabbit: > 4000 mg/kg

LC<sub>50</sub> inhalation rat: >6,3 mg/l air/4h

Skin contact: Slightly Irritating. (rabbit)

Eye contact: Moderately Irritating. (rabbit)

Skin sensitivity: No sensitizer.

## 12. ECOLOGICAL INFORMATION

### 12.1. Toxicity

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## Active ingredient data: Imazamox

Mallard Duck oral LD50: >1950 mg/kg  
Rainbow Trout LC50 (96 h)>122 mg /l  
Algae EC50 (120 h):>0,037 mg/l

- 12.2. Persistence and degradability:** No information available.
- 12.3. Bioaccumulative potential:** logP = -1,03 (pH 5) (imazamox)
- 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 **3082**

Class **9**

Packaging group **III**

Description of the goods **ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (Imazamox)**

## **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**

H302: Harmful if swallowed

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.

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