

# SAFETY DATA SHEET

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

PRODUCT NAME: **PENRIVAL 100 EC**

REVISION DATE: 17.07.2017

VERSION: 05

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

### 1.1. Product identifier

**Product Name** Penrival 100 EC

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

**Product Description:** Fungicide

### 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

Acute toxicity (Category 4), H332

Skin Irritation (Category 2), H315

Reproductive Toxicity (Category 2), H361d

Chronic aquatic toxicity (Category 2), H411

### 2.2 Label elements



**Warning**

Hazard Statements:

H226: Flammable liquid and vapour

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H312: Harmful in contact with skin  
H315: Causes skin irritation  
H332: Harmful if inhaled  
H361d: Suspected of damaging the unborn child  
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:

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.  
P304 + P340 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P308+313: If exposed: Call a POISON CENTER or doctor/physician.  
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
Penconazole	11	66246-88-6	Repr. 2, H361d Acute Tox. 4, H302 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Aromatic Hydrocarbon	>50	-	Skin Irrit. 2, H315 Flam. Liq. 3 H226 Acute Tox. 4, H332 Acute Tox. 4, H312

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

## 4. FIRST AID MEASURES

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## 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.

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

Signs of poisoning: No cases of intoxication have been recorded in humans.

## 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

In case of combustion, decomposition of toxic gases may result.

### 5.3 Advice for firefighters

If not, remove containers from the fire area.

Scrape the water to remove the intervention water to eliminate later.

Don't scuff the stuff around.

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## For tanks or vehicles / vehicles in fire,

Cool containers with plenty of water until the fire goes out

Intervene at maximum distance or use a remote hose.

Move away from the safety valve when the sound rises or the tank changes color. Keep water from getting inside the containers.

Unsuitable Extinguishers: Do not use pressurized water.

Do not inhale fumes, gas or vapors. Remove all living things in the fire area during fire fighting.

Equipment for fire fighting: Wear protective clothing and equipment (goggles, masks, gloves, boots). Closed spaces require a breathing apparatus.

## **6. ACCIDENTAL RELEASE MEASURES**

### **6.1. Personal precautions, protective equipment and emergency procedures**

Remove people and animals from the area. Do not walk around in the dish area. Avoid skin contact and inhalation. Wear protective clothing and equipment (goggles, masks, gloves, boots).

### **6.2. Environmental precautions**

Clean the dish area immediately. Do not contaminate water sources and sewers. Avoid spreading with sand or absorber. Use clean, non-sparking equipment to collect impregnated materials. Carefully sweep up. Destroy all sources of ignition. Dispose of waste in an empty container and dispose of it in accordance with the Waste Management Regulation.

### **6.3. Methods and material for containment and cleaning up**

Wash 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**

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 cool, dry and well-ventilated areas. Store in unopened original containers. Keep away from animals and children. Keep away from food. Do not store in open flames. Do not store below -10°C and above + 35°C.

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**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

Form: clear liquid

Colour: yellowish

Smell : Characteristic odor

Density: 0,850-0,950 gr/cm<sup>3</sup>

pH(%10): 6.0-8.0

Flash Point: 24 °C (Closed cup-Abel Pensky)

Vapour Pressure: 0,37 mPa (25°C) (Penconazole)

In water: Emulsifies in water

Distribution Coefficient: KowlogP: 3.72 (Ph5.7, 25°C) (Penconazole)

**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

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

**10.4. Conditions to avoid:** Stable under normal conditions. Keep away from sources of ignition

**10.5. Incompatible materials:** Unknown.

**10.6. Hazardous decomposition products:** Combustion may cause toxic gases.

## 11. TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

**Active ingredient data:** Penconazole

LD<sub>50</sub> oral rat: 2125 mg/kg

LD<sub>50</sub> dermal rat: > 3000 mg/kg

LC<sub>50</sub> inhalation rat: > 4000 mg/m<sup>3</sup>/4h

Not irritating to skin (rabbits).

Irritant to eyes (rabbits).

Not sensitizer (guinea pig)

## 12. ECOLOGICAL INFORMATION

**12.1. Toxicity:** Not toxic to bees. Toxic to fish. Do not mix into water.

Active ingredient data:

Penconazole

Rainbow trout LC<sub>50</sub>: 1,7-4,3 mg/l/96 h

Japanese quail LD<sub>50</sub>: 2424 mg/kg/8 day

Bee LD<sub>50</sub>: >5 µg/bee

Daphnia IC<sub>50</sub>: 7-11 mg/l/48 h

**12.2. Persistence and degradability:** No information available.

**12.3. Bioaccumulative potential:** Kow logP = 3,72 (Ph5,7, 25°C) (Penconazole)

**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

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## 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)**

Tunnel Code: (D/E)

IMDG, EmS: F-E, S-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

H302: Harmful if swallowed

H312: Harmful in contact with skin

H315: Causes skin irritation

H332: Harmful if inhaled

H361d: Suspected of damaging the unborn child

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.

SDS Preparer: Aylin OBALI

E-mail: [sds@hektas.com.tr](mailto:sds@hektas.com.tr)

Certificate No: GBF-A-O-2908