

SAFETY DATA SHEET

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

PRODUCT NAME: MAESTRO 5 EC
REVISION DATE: 13.12.2016
VERSION: 05
Page 1 / 7



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

1.1. Product identifier

Product Name: Maestro 5 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 4), H302

Acute toxicity (Category 4), H312

Acute toxicity (Category 4), H331

Chronic aquatic toxicity (Category 1), H410

2.2 Label elements



Danger

Hazard Statements:

SAFETY DATA SHEET

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

PRODUCT NAME: MAESTRO 5 EC

REVISION DATE: 13.12.2016

VERSION: 05

Page 2 / 7



H226: Flammable liquid and vapour
H302 Harmful if swallowed
H312 Harmful in contact with skin
H315: Causes skin irritation
H331 Toxic by inhalation.
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.

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
Lambda cyhalothrin	5 - 6	91465-08-6	Acute Tox. 2, H330 Acute Tox. 3, H301 Acute Tox. 4, H312 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Aromatic Hydrocarbon	65-75	-	Flam. Liq. 3, H226 Acute Tox. 4, H332 Acute Tox. 4, H312 Skin Irrit. 2, H315
Emulsifier	1-10	-	-

SAFETY DATA SHEET

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

PRODUCT NAME: MAESTRO 5 EC

REVISION DATE: 13.12.2016

VERSION: 05

Page 3 / 7



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.

Signs of poisoning: No indication of toxicity. General symptoms are nausea, vomiting, abdominal pain and diarrhea. Contact with the drug can cause skin and eye irritation

Treatment: the stomach content should be washed into the stomach by taking care to escape the trachea. Symptomatic and supportive treatment should be performed.

NOTE: There is no special antidote. Treatment according to 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

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

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

5.2 Special hazards arising from the substance or mixture

Carbon oxides, nitrogen and sulfur oxides, organic and acid halides, ammonium hydrocarbons.

SAFETY DATA SHEET

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

PRODUCT NAME: MAESTRO 5 EC

REVISION DATE: 13.12.2016

VERSION: 05

Page 4 / 7



5.3 Advice for firefighters

As soon as possible, the fire exit should be intervened without causing any danger.

Intervene in a place protected from fire. Wear protective mask.

Cool the containers with plenty of water until the fire goes out. Fire water is prevented from spreading to the environment.

It may evaporate when left at temperatures above the flash point. Since these vapors are heavier than air, they can accumulate below. Keep away from sources of ignition.

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). Self-contained breathing apparatus is required in confined spaces

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.

SAFETY DATA SHEET

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

PRODUCT NAME: MAESTRO 5 EC

REVISION DATE: 13.12.2016

VERSION: 05

Page 5 / 7



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 yellow- brown clear liquid
- ❖ Smell : characteristic fragrant
- ❖ pH(%10): 6.0 – 9.0
- ❖ Explosive property : No
- ❖ Flash Point: 24°C
- ❖ Boiling point : Unknown
- ❖ Flammability temperature : No
- ❖ Oxidation properties : No

- ❖ Distribution coefficient (n-octanol/water): $\log P=7$ (20 °C) (lambda cyhalothrin)
- ❖ Vapor pressure: $2 \cdot 10^{-4}$ mPa (20 °C)(lambda cyhalothrin)
- ❖ Density : 0,850–0,950 gr/cm³ (20°C)
- ❖ Water Solubility: Emulsified in water.
- ❖ In oil : Unknown
- ❖ Fluidity (Viscosity) : Fluid
- ❖ Vapor density : Not apply
- ❖ Evaporation rate : Not apply

SAFETY DATA SHEET

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

PRODUCT NAME: MAESTRO 5 EC

REVISION DATE: 13.12.2016

VERSION: 05

Page 6 / 7



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:

10.5. Incompatible materials: Strong oxidation agents.

10.6. Hazardous decomposition products: Carbon oxides, nitrogen and sulfur oxides, organic and acid halides, ammonium hydrocarbons.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Active ingredient data:

Lambda cyhalothrin

LD₅₀ oral rat: 56 mg/kg

LD₅₀ dermal rat: 632–696 mg/kg

LC₅₀ inhalation rat: 0,06 mg/l air /4h

Slightly irritating to eyes (rabbits).

Dermal: not irritant. (rabbits)

Skin: Unknown.

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Active ingredient data:

Lambda cyhalothrin

Mallard Duck oral LD₅₀: > 3950 mg/kg

Rainbow Trout LC₅₀ (96 h): 0,36 µg/l

Daphnia LC₅₀ (48 h): 0,36 µg/l

12.2. Persistence and degradability: Soil DT₅₀: 23-82 days

SAFETY DATA SHEET

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

PRODUCT NAME: MAESTRO 5 EC

REVISION DATE: 13.12.2016

VERSION: 05

Page 7 / 7



12.3. Bioaccumulative potential: $\log P = 7$ (20 °C)

12.4. Mobility in soil: K_{oc} 330 000

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 (Lambda-cyhalothrin, aromatic hydrocarbon)**

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

14.4. Packaging group: **III**

14.5. 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

H301: Toxic if swallowed

H315: Causes skin irritation

H312: Harmful in contact with skin

H332: Harmful if inhaled

H302: Harmful if swallowed

H330 Fatal if inhaled.

H331 Toxic by inhalation.

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.

SAFETY DATA SHEET

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

PRODUCT NAME: MAESTRO 5 EC
REVISION DATE: 13.12.2016
VERSION: 05
Page 8 /7



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
Certificate No: GBF-A-O-2908