Material Safety Data Sheet

According to "BY-LAW ON REGISTRATION, EVALUATION, AUTHORIZATION AND RESTRICTION OF CHEMICALS (Official Gazette No: 23.06.2017- 30105)"

KULSAN İlaç, Tohumculuk, Ziraat Sanayi ve Ticaret Ltd. Şti.

OXYMOS 20 EC

Preparation Date: 21.11.2015 Revision date:11.01.2025
Revision Number: 4 SDS Number: BK.SDS:82

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

- **Use of the substance/mixture:** Insecticide
  Product Name: OXYMOS 20 EC
- **Name and Address of Company;**

Company Name: KULSAN İLAÇ, TOHUMCULUK, ZİRAAT SAN. VE TİC. LTD. ŞTİ.
Address: Balıklıçeşme Köyü OSB Mevkii Lacivert Cad. No:19 17200 Biga/ÇANAKKALE
Phone: 0 (286) 324 30 55
Fax: 0 (286) 324 30 56

- **Name and Address of Manufacturer Company;**

Company Name: KULSAN İLAÇ, TOHUMCULUK, ZİRAAT SAN. VE TİC. LTD. ŞTİ.
Address: Balıklıçeşme Köyü OSB Mevkii Lacivert Cad. No:19 17200 Biga/ÇANAKKALE
Phone: 0 (286) 324 30 55
Fax: 0 (286) 324 30 56

- **Information on security:** Hasan KULA
- **Emergency telephone number:**

EMERGENCY TELEPHONE: In case of poisoning, call the national poison center (UZEM) 114 if necessary.
Emergency response center: 112
Fire department: 110

2. HAZARDS IDENTIFICATION

2.1 Physical Effect: Flammable liquid and vapor

Potential Acute Effect on Health: Harmful if swallowed and if inhaled. Causes skin irritation.

Effects on environment : -

2.2 Classification of the substance or mixture

According to CLP;

Signal pictograms:



GHS07

Signal word: Danger

Hazard statements:

H226: Flammable liquid and vapor
H411: Toxic to aquatic life with long lasting effects.
H312 + H332: Harmful if swallowed and if inhaled.
H315: Causes skin irritation.

Precautionary statements:

P210 Keep away from heat / sparks / open flames / hot surfaces. - No smoking.
P233 Keep container tightly closed.
P240 Ground / bond container and receiving equipment.
P241 Use explosion-proof electrical / ventilating / lighting equipment.
P242 Use only non-flammable tools.
P243 Take precautionary measures against static discharge.
P264 Wash thoroughly with soap and water after handling.
Avoid breathing dust / fumes / gas / mist / vapors / spray. P271 Use only outdoors or in a well-ventilated area. P270 Do not eat, drink or smoke when using this product.
P273 Avoid release to the environment.
P280 Wear protective gloves / protective clothing / eye protection / face protection.
P391 Collect spillage
P312 If you feel unwell, call the NATIONAL POISON ADVICE CENTER, PHONE 114 or the doctor / physician. P362 Take off contaminated clothing and wash before reuse.
P370 + P378 In case of fire: Use dry foam for extinction.
P403 + P235 Stored in a well-ventilated area. Keep it cold.
P501: Dispose of contents / container in accordance with waste management regulation.

Additional information

The relevant risk safety statements and hazard and precautionary statements are given in Chapter 16.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Identification: Mixture

Chemical Name	EC No	CAS No	*Content %*	Classification

			(w/w)	(CLP)
Pyriproxyfen	429-800-1	95737-68-1	20%	Aquatic Acute 1 H400 Aquatic Chronic 1 H410
Xylene	215-535-7	1330-20-7	≤70	Flam.Liq. 3 H226 Acute Tox.4 H332 Acute Tox.4 H312 Skin Irrit.2 H315
Other non hazardous content	-	-	Completed to 100%	-

4. FIRST AID MEASURES

Skin contact: Immediately remove contaminated clothing and wash thoroughly with soap and plenty of water. In case of persistent irritation, consult your physician.

Eye contact: Rinse eyes immediately with plenty of water least 15 minutes. Remove contact lenses and seek medical advice if necessary.

When inhaled: Against respiratory irritation and dizziness; take the person to fresh air. If breathing is difficult, give oxygen. If irritation persists, seek medical attention.

On swallowing: Rinse mouth with plenty of water. Do not induce vomiting. Do not give anything by mouth to an unconscious person and get medical help.

4.2 Significant Acute and Delayed Symptoms and Effects

Inhalation: Not available.

Skin: Not Available.

Eye: Not available.

Ingestion: Not available.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishers: Small Fire: Use Dry Chemical, Carbon Dioxide, water spray or foam

Large Fire: Use water spray, fog or foam.

Unsuitable Extinguishers: DO NOT use direct water jetting.

5.2 Special Hazards Caused by the Product: Thermal Decomposition will result in the formation of CO and NOx.

5.3 Protective Equipment for Firefighting Teams

It is convenient to provide respiratory equipment. Evacuate the area immediately. Notify the fire department of the danger. Wear fully protective equipment including breathing apparatus. Enclosed containers should be cooled with pure water spray. The whole flow must be controlled.

Flash Point: 119 ° C (Pensky-Martens closed test)

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Protective Precautions/ Personal Protection
If it's safe to do, stop the source of the spill. Contain spillage to prevent contamination of the water surface or into the water or further parts of the soil. Put on personal protective equipment specified in section 8. Do not allow material to enter water and sewers. Remove people and animals from the area.

6.2 Environmental Precautions

Small Spill (Dry Spill): Sweep up and throw into a spill container for disposal. If necessary, wash the spilled area with alkaline detergent and water, absorb and control it.

Large Spills (Dry Spill): Throw leaking containers in disposal containers. Build a barricade around the spill and in front of drains and waterways using soil or other non-reactive materials. For disposal sweep up the material and drop it into a spill container. If necessary, contact the emergency service.

Water Spills: Stop contamination in water. Separate the contaminated water. Remove contaminated water for disposal.

Disposal: Contaminated material should be disposed of according to state or local regulations.

6.3 Collection and Cleaning Processes

Wash the spill area with appropriate equipment if necessary and, if necessary, with alkaline detergent and water. Put the extracted material into the waste container.

6.4 Reference to Other Sections

Note: Before starting the cleaning process, review the Fire Fighting Precautions and Usage (Personal) sections. 7

7. HANDLING AND STORAGE

7.1 Handling

Protective measures for safe handling of the substance / preparation

Do not touch open packages, avoid skin or eyes. DO NOT use or store near sparks, flames or hot surfaces. Use only in well ventilated areas. Keep container tightly closed. Keep out of reach of children, unauthorized persons and animals. Wash your hands, arms and face with soap and water after use and before eating, drinking and smoking.

7.2 Conditions for Safe Storage, including any incompatibilities:

Keep away from direct sunlight.

Keep the containers tightly closed at 25˚C ± 2 in dry and well ventilated places. Keep away from food, drink and animal feedingstuffs.

Keep away from the reach of children.

7.3 Specific End Uses

The warehouse should be cleaned regularly, ventilation system, temperature and humidity controls should be done regularly. All items should be kept closed in their original packaging when not in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Occupational exposure limits:

In case of contact with skin or eyes, rinse with clean water. Wash skin before smoking, eating, drinking water. Take a bath at the end of the working day. Provide adequate ventilation to minimize exposure to steam. Keep container tightly closed.

8.2. Exposure control

Respiratory Protection: Use only in well ventilated areas. Respiratory protection is recommended.

Ventilation: Provide good general ventilation. Local outlet ventilation may be required for some operations.

Protective Gloves (Type Indicated): Wear chemical resistant gloves.

8.5. Environmental exposure control: Apply according to the instructions on the product label. Follow the instructions given on the product label. Do not leave product residues and empty containers to the environment. Dispose of it according to the instructions given in section 13. If possible, protective clothing should be disinfected before being removed. It is not appropriate to place the discarded dishwashing clothes without being disinfected.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. General information

Appearance: Liquid, clear

Odor : No data available

Color : yellow

9.2. Other informations

Density : 0,933 g / ml ± 0,05 20 ºC 'de

Flash point : >25 °C (Pensky-Martens closed vessel test)

Boiling point : No data available

Explosive properties : No data available

Viscosity : No data available

Solubility (In water/alcohol/oil) : soluble in water in any range

Vapor pressure : No data available

Distribution factor (n-octanol/water): No data available

pH: 6,7 ± 1 (20 C'de) 10% solution

Melting point :No data available

Oxidizing: No data available

Flammable properties: No data available.

Flammability: No data available.

Storage stability: The drug preserves its physical, chemical properties and biological activity for at least two years if stored in original and sealed packages, at normal temperature and in a dry place.

Emulsion and Re-Emulsion Stability

Start; Appropriate

After 0.5 hours; Cream: Max: 0 mL

2 hours later; Cream: Max: 0 mL

After 24 hours;

Re-Emulsion: Suitable

After 24.5 hours; Cream: Max. 2 mL

Free Oil: Max 2 mL

Permanent Foaming: After max 60 mL / 1 minute

10. STABILITY AND REACTIVITY

10.1 Reactivity: No data available.

10.2 Chemical Stability: Chemical Stability: Stable under normal ambient temperature and pressure.

10.3 Possibility of hazardous reactions: No data available.

10.4 Conditions to avoid: Stable under recommended use and storage conditions. (See also section 7) Avoid direct sunlight. Keep away from open flame, sparks and ignition sources.

10.5 Incompatible materials: No opposite with bases or strong acids. With strong oxidants

There is no contrast.

10.6 Hazardous Decomposition Products: Emits toxic fumes under fire conditions.

10.7 Whether stabilizers are needed and available stabilizers: Unknown.

10.8 Whether there is the possibility of dangerous exothermic reactions: No information available

10.9 Any hazardous decomposition product, if any, in contact with water: None known

11.TOXICOLOGICAL INFORMATION

11.1 Target organ: eye and skin

11.2. Toxicity of the active ingredients

Substance or component (CAS)	LD_{50} acute oral values	LD_{50} dermal	LC50 inhalation
Pyriproxyfen [CAS#95737-68-1]	Akut Oral (rat) 5000 mg/kg	≥ 2000 mg/kg	LC50 (rat) (4 sa) >1300 mg/m3

Eye Irritation: No irritating effect.

• Skin Irritation: It has no irritating effect.

Sensitizing Effect: It does not have a sensitizing effect on the skin.

• CHRONIC / CANCEROGENIC HEALTH EFFECTS: It is not carcinogenic.

• OTHER TOXICOLOGICAL INFORMATION:

• Mutagen Information: Not mutagenic.

• Teratology (Birth Deficiencies) Information: It is not teratogenic.

• Reproduction Information: It is not genotoxic.

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity

LD50> 2000 mg / kg (American quail)

LC50 (96h)> 5200 mg / L (Rainbow trout)

EC50 (48h): 0.40 mg / l (daphnia)

12.2 Mobility: Potential for Biodegradation in Relevant Environmental Environment: No Information

Degradability Potential by Other Processes Such as Oxidation or Hydrolysis: No Information

Half-Life of Degradation: No Information

12.3. Persistence and degradability: Potential of the product to accumulate in the biological environment (biota): No Information

Potential for the product to pass through food: No Information

Log Pow or BCF value: No information available.

12.4 Mobility in Soil:

Mobility in soil: No information available.

12.5 Results of PBT and vPvB assessment: No data available.

12.6 Other adverse effects: None.

13. DISPOSAL CONSIDERATIONS

13.1. General Disposal Information of Product

Waste identification numbers / waste descriptions should be collected in accordance with local legislation for each industry class and process, in accordance with the regulation on appropriate disposal / product waste management guidelines and the control of hazardous wastes. Bury or burn empty cans, drug residues in the ground. Do not dispose of in trash cans or landfills.

WASTE MANAGEMENT REGULATION published in the Official Gazette of the Ministry of Environment and Urbanization dated 02.04.2015 and numbered 29314;

Waste code	Definition
06 13 01 *	inorganic plant protection products, wood-preserving products and other biocides

14. TRANSPORT INFORMATION

ADR / RID

14.1 UN Number: Not classified as dangerous

14.2 Suitable UN Transport Name: Not classified as dangerous

14.3 Transport Hazard Class (s): Not classified as dangerous

14.4 Packing Group: Not classified as dangerous

IMDG / IMO

14.5 UN number Not classified as dangerous

14.6 Description of goods Not classified as dangerous

14.7 Class Not classified as dangerous

14.8 Packing group Not classified as dangerous

ICAO / IATA

14.9 UN number Not classified as dangerous

14.10 Description of goods Not classified as dangerous

14.11 Class Not classified as dangerous

14.12 Packing group Not classified as dangerous

15. REGULATORY INFORMATION

15.1 Private security, health and environmental regulations for the substance or mixture:

Related regulations;

- BY-LAW ON REGISTRATION, EVALUATION, AUTHORIZATION AND RESTRICTION OF CHEMICALS (Official Gazette No: 23.06.2017- 30105)
- Classification of substances and mixtures, Packaging and Labelling Regulations - (11 December 2013 and 28848 Rep. No.)
- ADR - European Agreement Concerning the International Carriage of Dangerous Goods by Road (R.G.24/10/2013-28801)

15.2 . Chemical Safety Assessment: No data available.

16. OTHER INFORMATION

16.1. Changes: 23.06.2017- Update in line with the Regulation on Registration, Evaluation, Authorization and Restriction of Chemicals No. 30105

Revision date: 11.01.2025

16.2. Shortcuts

SDS: Safety Data Sheet
CAS: Service registration number of chemicals
EINECS: European Inventory of Chemical Substances
SEA: Regulation on Classification, Labeling and Packaging of Substances and Mixtures published in RG.-11/12 / 2013-28848
CLP: EU Directive 1272/2008 <Classification, Labeling and Packaging of Substances and Mixtures>
TWA: Measured or calculated time-weighted average for a specified reference time of 8 hours
STEL: The maximum exposure value that must not be exceeded for a period of 15 minutes unless otherwise specified.
Mg / m3: at 20 ° C and 101.3 KPa. (760 mm mercury pressure) The amount of material in milligrams of 1 m3 of air at pressure
ppm: the amount of material contained in 1 m3 of air in milliliters (ml / m3)
NIOSH: The National Institute for Occupational Safety and Health CEN: Normalization at the European Commission
NTP: (National Toxicology Program) National Toxicology Program
IARC: The International Agency for Research on Cancer
OSHA: (Occupational Safety and Health Association)
EWC: (European Waste Catalog) European Union Waste Catalog
ADR: Transport of Dangerous Goods
RID: Transport of dangerous goods by rail
ADNR: Regulation on the Carriage of Dangerous Goods in Rivers
IMDG: Regulation on training and authorization within the scope of international code on dangerous cargoes transported by sea
ICAO: International Civil Aviation Organization
IATA: International Air Transport

16.3 Reference and Sources

- The key information sources used in the editing of this safety data sheet are as follows
- Data sheets for raw materials and product components
- Regulations and annexes on the preparation and distribution of safety data sheets for dangerous goods and preparations
- Regulation on Preparation of Safety Data Sheets for Hazardous Substances and Mixtures (13.12.2014- Official Gazette No. 29204) and its annexes
- UN ADR, IMDG, IATA LISTS

- ECHA and related EU directives, IUCLID (HSCB), HSDB (DANGEROUS DATA DATA BANK)
- http://www.unece.org/fileadmin/DAM/trans/danger/publi/unrec/English/part3.pdf
- http://cevresagligi.thsk.saglik.gov.tr/dosya/Biyosidal/Liste_1_Approved_Active_Substance s_List_17_Nisan_2015.pdf
- https://echa.europa.eu/substance-information/-/substanceinfo/100.047.740/

16.4. Classification and methodology for the classification of mixtures: In accordance with the Regulation on the Classification, Labeling and Packaging of Substances and Mixtures (Official Gazette No: 11.12.2013, 28848).

Aquatic Acute-Category 1- H400-Calculation method
Aquatic Acute-Category 1 H410- Calculation method
Flam.Liq-Category 3- H226- Calculation method
Aquatic Acute-Category 4- H332- Calculation method
Aquatic Acute-Category 4- H312- Calculation method
Skin Irrit.-Category 2- H315- Calculation method

16.5. All hazard statements in Section 2 and 3:
H226: Flammable liquid and vapor
H332: Harmful if inhaled.
H312: Harmful in contact with skin.
H315: Causes skin irritation.
H400- Very toxic to aquatic environment.
H410: Very toxic to aquatic life with long lasting effects.

16.6. Training advice: None.

16.7 Other informations

This document has been issued by the person (s) certified in accordance with the regulations by making use of the safety data sheets provided by the manufacturer.

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Certificate No: TÜV/11.04.03- TUV Certified Chemical Safety Expert

Other informations

Use and application information is given in the technical leaflets of the products. The details are based on the information we have today and do not represent any assurance on product quality, nor can any cited facts be cited. This Safety Data Sheet prepared for **OXYMOS 20 EC** was prepared on behalf of

KULSAN İLAÇ, TOHUMCULUK, ZİRAAT SAN. VE TİC. LTD. ŞTİ.