



Preparation date: 10/2014
Revision date: 05/2016
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Form No: GBF001

This Safety Data Sheet is prepared in accordance with the provisions of the "Regulation on Safety Data Sheets for Hazardous Substances and Mixtures" of the Ministry of Environment and Urbanization of the Republic of Turkey (Official Gazette: December 13, 2014 – 29204).

PRODUCT SAFETY DATA SHEET CONTROL FLY

1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND THE COMPANY

1.1. Product Identification:

Insecticide in water-soluble powder formulation for the control of adult houseflies.

Active Ingredient: Thiamethoxam

Brand Name: Control Fly

Formulation: Soluble Powder (SP)

1.2. Product Use:

It is applied by spraying onto surfaces where flies rest (sunlit walls, window and door frames, milk pipes, outer surfaces of feeders, etc.).

1.3. License Holder Company:

Name Doğa Veterinary Services Drug Production Food Marketing Tourism Import Export Trade Ltd. Co.
Address Postane Mah. Gelibolu Sok. Binevler Site Block E No: 17/4 Tuzla / Istanbul
Telephone 0 216 446 09 76
Fax –
E-Mail doga@dogailac.com
Web www.dogailac.com
Emergency Contact Call National Poison Consultation Center (UZEM) at 114

1.4. Manufacturer Company:

Name İl-Mak Beşeri Zirai Veterinary Drug Machine Industry and Trade Ltd. Co.
Address 10023 Sok. No: 2 A.O.S.B. ÇIĞLI / İZMİR
Web www.il-mak.com.tr
Telephone 0 232 328 21 98
Fax 0 232 328 25 83

2. HAZARD IDENTIFICATION

2.1. Classification of the Mixture



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According to the "Regulation on Classification, Labeling, and Packaging of Hazardous Substances and Mixtures" published on December 11, 2013, No. 28848, and EU Regulation EC 1272/2008 (CLP):

- Acute Toxicity – Category 4; H302: Harmful if swallowed.
- Chronic Aquatic Toxicity – Category 1; H410: Very toxic to aquatic life with long lasting effects.



WARNING

GHS09

H410: Very toxic to aquatic life with long lasting effects.



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2.2. Label Elements

According to the Regulation on the Classification, Labeling and Packaging of Hazardous Substances and Mixtures dated 11 December 2013 and numbered 28848 and in the scope of EU Regulation EC 1272/2008 (CLP), the labeling information is as follows:



WARNING

GHS09

- **H410:** Very toxic to aquatic life with long-lasting effects.
- **P102:** Keep out of reach of children.
- **P273:** Avoid release to the environment.
- **P301+P312:** IF SWALLOWED: If you feel unwell, call the NATIONAL POISON INFORMATION CENTER at 114 or consult a doctor/physician.
- **P391:** Collect spillage.
- **P501:** Dispose of contents/container in accordance with the "Waste Management Regulation".

2.3. Other Hazards

No data available.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1. Hazardous ingredients contained

Substance	CAS No & EC No	Content (% w/w)	Classification (According to 11.12.2013 SEA Regulation)
Thiamethoxam			
(3-(2-Chloro-5-thiazolylmethyl) tetrahydro-5-methyl-N-nitro-4H-1,3,5-oxadiazin-4-imine)	153719-23-4	10%	Acute Tox. 4; H302
Aquatic Acute 1; H400			
Aquatic Chronic 1; H410			

3.2. Additional Notes



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The full explanation of Risk (R) and Hazard (H) phrases is provided in Section 16.

4. FIRST AID MEASURES

- **4.1. Skin Contact:** Remove contaminated clothing immediately and wash affected areas thoroughly with plenty of water and soap.
- **4.2. Eye Contact:** Rinse eyes gently with plenty of clean water for several minutes and seek medical attention immediately.
- **4.3. Inhalation:** Move the exposed person to fresh air immediately.
- **4.4. Ingestion:** If swallowed, obtain medical attention immediately and show the label or packaging.
- **4.5. Warning:** Read the information on the label carefully. Remove the affected person from the contaminated area to a well-ventilated or clean air zone, and avoid keeping them under extreme heat or cold.



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5. FIRE-FIGHTING MEASURES

5.1. Suitable extinguishing media:

Dry powder, foam, carbon dioxide (CO₂), or water spray.

5.2. Unsuitable extinguishing media:

Do not use high-pressure water, water jet.

5.3. Warning:

Exposure to combustion products may pose a health hazard.

5.4. Protective equipment for fire-fighting personnel:

Wear protective equipment. In case of exposure to smoke, use clothing that includes breathing apparatus.

Other information:

Collect the extinguishing materials and water used in fire-fighting separately.

Do not allow these residues to enter the drainage system.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions:

Wear appropriate protective clothing, gloves, and eye/face protection. Avoid sparks and use safety equipment.

6.2. Environmental precautions:

Highly toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Do not allow the product to enter surface or groundwater or sewer systems.

If the product enters the sewer or water source, notify the relevant authorities.

Follow local regulations regarding containment and cleanup.

6.3. Methods for cleaning up:

See protective measures listed in Sections 7 and 8.

Avoid discharging to surface waters or sewer systems.

Transfer the product into labeled containers for proper disposal.

Do not use pressurized water to disperse dusts.

For contaminated materials:

Collect in suitable containers for disposal.

Destroy by incineration in accordance with local regulations.

Clean contaminated surfaces thoroughly.



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If the product contaminates a wide area, excavate the topsoil where the contamination occurred.
Do not reuse spilled product and ensure proper disposal.
If safe disposal is not possible, contact the manufacturer, distributor, or seller.

7. HANDLING AND STORAGE

Safe handling instructions:

Avoid ingestion, contact with eyes and skin during chemical handling; follow industrial hygiene standards and general workplace rules.

Prevent formation of dust.

Avoid contact with hands, face, and clothing.

Do not inhale dust.

Do not eat, drink, or smoke in application areas.

In areas where chemical products are used, such as with measuring devices containing toxic substances, appropriate personal protective equipment must be used.

7.1. Storage Conditions:

Keep out of reach of children and pets. Store away from food, animal feed, and beverages.

Store in its sealed packaging.

7.2. Requirements for Storage Locations:

Protect from light and moisture.



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The warehouse where the substances are stored must be cleaned regularly and ventilated well.

Store in the original packaging.

Ensure the packaging cap is tightly closed after use.

Avoid inhalation, contact with eyes and skin.

7.3. Transportation Precautions: Avoid impact, pressure, and high temperatures.

7.4. Incompatible Substances: Plastic, glass, stainless steel.

7.5. Incompatible Materials: Strong acids and alkaline substances.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Occupational Exposure Limit Values:

Parameter Status

ACGIH Not available

TLV-TWA Not available

TLV-STEL Not available

8.2. Critical Effects: Not available

8.3. Control Procedures: Not available

8.4. Exposure Control

- **Respiratory protection:** Dust protection mask
- **Hand protection:** Use chemically resistant gloves
- **Eye protection:** Use safety goggles
- **Skin protection:** Use appropriate protective clothing



8.5. Environmental Exposure Controls:

Environmental protection measures must be implemented fully and in compliance with applicable legal requirements.

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
9.1. Physical State	Water-soluble powder
9.2. Color	Creamy white
9.3. Odor	None



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Property	Value
9.4. Boiling Point	–
9.5. pH	9–11 for 10% solution (at 25°C)
9.6. Flash Point	Not available
9.7. Flammability	Flammable material
9.8. Explosive Properties	Not explosive
9.9. Vapor Pressure	Not available
9.10. Bulk Density	0.60
9.11. Solubility	Soluble in water
9.12. Octanol/Water Partition Coefficient	–

10. STABILITY AND REACTIVITY

Situation	Precaution/Info
10.1. Conditions to Avoid	Protect the product from direct sunlight. For fire precautions, see Section 5.
10.2. Incompatible Materials	Strong acids and bases, highly oxidizable materials
10.3. Hazardous Decomposition Products	Not available



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11. TOXICOLOGICAL INFORMATION

11.1. Adverse Health Effects

11.1.1. Target Organ: –

11.1.2. Symptoms: See Section 3

Toxicity of Active Ingredient (Thiamethoxam):

- **Oral LD₅₀ in rats:** 1563 mg/kg body weight
- **Dermal LD₅₀ in rats:** >2000 mg/kg body weight
- **Inhalation LC₅₀ in rats:** >3.72 mg/L, 4 hours of exposure, via nose only
- **Skin irritation:** Not an irritant
- **Eye irritation:** Not an irritant
- **Skin sensitization:** Does not cause sensitization

11.3. Immediate, Delayed and Chronic Effects from Short or Long-Term Exposure

11.3.1. Skin Sensitization Not available

11.3.2. Carcinogenicity Not available

11.3.3. Mutagenicity Not available

11.3.4. Reproductive Toxicity Not available

12. ECOLOGICAL INFORMATION

12.1. Ecotoxicity

Acute toxicity in mammals:

- **Mouse (both male and female):** 783 mg/kg body weight

Acute toxicity in birds:

- **Mallard Duck LD₅₀:** 576 mg/kg bw
- **Quail LD₅₀:** 1552 mg/kg bw

Bird dietary toxicity:



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- **Quail and mallard duck:** >2503 mg/kg bw/day and >5200 ppm

Bird reproductive toxicity:

- **Mallard duck NOEC** = 300 ppm = 29.4 mg/kg bw/day

Short-term oral toxicity in mammals:

- No data available

Long-term oral toxicity in mammals:

- **NOAEL in dietary studies with rats over two generations:** 46 mg/kg bw/day
(Note: Body weight of male rats in reproductive phase was the basis of assessment.)

Acute fish toxicity:

- **Oncorhynchus mykiss (rainbow trout),** 96-hour LD₅₀ value = 125 mg/L

Chronic fish toxicity:

- **Oncorhynchus mykiss,** 88-day LD₅₀ value = 20 mg/L

12.2. Mobility

- Water-soluble.
- May pose significant risk to aquatic organisms; could cause long-term adverse effects in aquatic ecosystems.
- If released into the environment, contamination of surface and groundwater should be evaluated for spreading potential.

12.3. Persistence and Degradability

- Not available



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12.4. Bioaccumulation Potential

→ Biodegradation occurs within 90 days in the range of 5%–21%.

12.5. Other Adverse Effects

→ Toxic to bees.

12.6. Bee Toxicity

→ Toxic to bees.

12.7. Other Ecotoxicity

→ -

13. DISPOSAL CONSIDERATIONS

13.1. Waste Classification

According to the "Regulation on the Control of Hazardous Wastes" published in the Official Gazette dated 14.03.2005 and numbered 25755, the product must be classified as hazardous chemical waste and disposed of accordingly. Do not dispose of with household waste.

13.2. Disposal of Empty Packaging

Empty packaging may not be used for any other purpose. It must be disposed of in accordance with the relevant provisions of the regulation mentioned in section 13.1.

14. TRANSPORT INFORMATION

UN No UN 3077

Packaging Group III

Technical Name Environmentally hazardous substance (Thiamethoxam)

ADR/RID Class 9

IMO Class 9

IATA Class 9



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15. REGULATORY INFORMATION

This safety data sheet is prepared based on the following regulations:

- Official Gazette dated 13.12.2014 and numbered 29204: Regulation on Safety Data Sheets for Hazardous Substances and Mixtures
- Official Gazette dated 02.04.2015 and numbered 29314: WASTE MANAGEMENT REGULATION
- Official Gazette dated 11.12.2013 and numbered 28848: Regulation on Classification, Labeling, and Packaging of Hazardous Substances and Mixtures
- Official Gazette dated 14.03.2005 and numbered 25755: Regulation on the Control of Hazardous Wastes
- Official Gazette dated 26.12.2008 and numbered 27092: Regulation on Classification, Labeling, and Packaging of Hazardous Substances and Mixtures
- Official Gazette dated 31.12.2009 and numbered 27449: Regulation on Biocidal Products

16. OTHER INFORMATION

16.1. Revision Information

- **Revision Date:** 10.05.2016
The form was revised in accordance with the provisions of:
 - Official Gazette dated 13.12.2014 and numbered 29204: Regulation on Safety Data Sheets for Hazardous Substances and Mixtures
 - Official Gazette dated 11.12.2013 and numbered 28848: Regulation on Classification, Labeling, and Packaging of Hazardous Substances and Mixtures
 - Official Gazette dated 02.04.2015 and numbered 29314: WASTE MANAGEMENT REGULATION

16.2. Abbreviations

ADR European Agreement concerning the International Carriage of Dangerous Goods by Road

CAS No Chemical Abstracts Service registration number

EC No European Community inventory number

IATA International Air Transport Association



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ICAO International Civil Aviation Organization

IMDG International Maritime Dangerous Goods Code

SAE Classification, Packaging and Labeling Regulation (dated 26 December 2008 and numbered 27092 repeated)

SEA Classification, Labeling, and Packaging Regulation (dated 11 December 2013 and numbered 28848 repeated)

Hazard and Precautionary Statements

- **H302:** Harmful if swallowed. Causes skin and mucous membrane irritation.
- **H410:** Very toxic to aquatic life with long-lasting effects.
- **P210:** Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
- **P102:** Keep out of reach of children.
- **P273:** Avoid release to the environment.
- **P301+P312:** IF SWALLOWED: If you feel unwell, call the NATIONAL POISON INFORMATION CENTER at 114 or consult a physician.
- **P391:** Collect spillage.
- **P501:** Dispose of contents/container in accordance with “Waste Management Regulation.”

Special Usage Recommendations:

- The user is responsible for ensuring the safety of themselves and others in the workplace and for using the product properly.
- The product should be applied only by professional users.
- Follow the usage instructions to avoid risks to human health and the environment.

References:

- The WHO Recommended Classification of Pesticides by Hazard and Guidelines to Classification (2009)
- Pesticide Manual
- Hazardous Substances Data Bank
- Raw Material Safety Data Sheets

Disclaimer:

The information above has been compiled from sources considered reliable and is intended only to provide general guidance on the safe handling, storage, transport, disposal, and use of the product. However, this information is not valid for regulatory or licensing purposes or as a guarantee for product use. The appropriate technical usage literature should be reviewed, and necessary licenses/permits should be obtained.



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The product's use outside the intended system, procedures, or risk assessment policies may lead to different conditions than described herein. In such cases, the conditions and recommendations of the manufacturer shall prevail. This document and the data in it are valid at the time of publication and may be updated if necessary.

The manufacturer accepts no legal or financial liability for losses, damages, or injuries arising from transport, storage, use, or disposal beyond its control.

Prepared by:

Prepared by (Name) Yusuf Kaya
SDS Certificate No GBF – 2083
Date of Issue 27.10.2015
Certificate Validity Date 27.10.2018
Signature [Signed]

This Safety Data Sheet is valid until May 2017 and will be updated on that date.