


SAFETY DATA SHEET

(It was prepared in parallel with Regulation on Drawing Up and Distribution of Safety Data Sheets Relating to Hazardous Substances and Preparations published in the Official Gazette dated 26/12/2008 and numbered 27092 which came into force and the provisions relating to safety data sheets of REACH Statute numbered 1907/2006/EC).

Substance / Preparation Name:	Date of Preparation	: September 2010
REST ON MIKRO GEL	Updated Date of Preparation	: November 2013
	Number of preparation	: 2
Form No:	Page Number	: 1 / 7

Article 1. / Identification of the Preparation and of the Company/Undertaking	
1.1 Identification of the Preparation	
Name of Active Substance : Fipronil 0.05 % : Bitrex 0.005 %	
Alternative Brand Name:	
Formula: Gel	
1.2 Use of Substance / Preparation	
INSECTICIDE	
1.3 Identification of the Company	
Company Name: ENTOVEST İlaç Kimya ve Teknoloji Araştırma Merkezi San. Tic. Ltd.Şti.	
Address: Tuzla Kimya Sanayicileri Org. San. Böl. Melek Aras Bulv. No: 33 Tuzla-İSTANBUL	
Telephone Number: 0 216 593 22 05	Fax Number: 0 216 593 22 04
Importer Company Name:	
Address: -	
Telephone Number: -	Fax Number:
Internet Address:	E-mail address:
1.4 Emergency Telephone Number	
Telephone Number of the Manufacturer: +90 216 593 22 05	
Telephone Number of National Poison Center: 114	

2 . COMPOSITION / INFORMATION ON INGREDIENTS	
2.1 General Identification of Composition and Concentrations	
Fipronil 0,05 % Bitrex 0,005 % Completes to 100% with fillers.	
2.2 .Substances and Concentrations in Preparation Classified as Hazardous	
Product was classified as hazardous in accordance with Regulation RD 255/2003 and 1999/45/EC It is toxic, guide sign and phrase of "Hazardous for Environment" and N letter.	

2.4 Hazard Symbol and Risk Phrases			
Hazard Symbol:		Risk No:	R51/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

2.5

<u>Substance Name:</u>	<u>EINECS No:</u>	<u>ELINCS No:</u>	<u>CAS No:</u>	<u>IUPAC Name</u>
Fipronil			120068-37-3	(RS)-5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-(trifluoromethylsulfinyl)-1H-pyrazole-3-carbonitrile

2.6 Chemical Structures of the Substances for Safe Handling

Fipronil :

3. Hazards Identification

- Hazards that Substance/Preparation may Present to Human Health and Environment:**

- Health:**

- Environment:**

Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

4. First Aid Measures

- Eye contact:**

In case of contact, immediately flush eyes with a copious amount of water for at least 15 minutes. Obtain medical attention immediately if irritation persists.

- Skin contact:**

Remove person from medicated area. Take off contaminated clothing. Rinse skin with plenty of water and soap without scrubbing.

- Inhalation:**

Control the breathing system. If not breathing, give artificial respiration. Move person to fresh air. Call a doctor for further treatment advice if patient does not feel well.

- Ingestion:**

If swallowed: Do not induce vomiting. Let the patient rest. Keep body temperature.

- Notes to physician:**

DO NOT LEAVE PATIENT ALONE IN ANY WAY.

If swallowed: Antidote application by means of digestive organ according to the consciousness of the patient. Make him/her drink slurry composed of active carbon and sodium sulphate with intensive salt. It is definitive treatment.

5. Fire-Fighting Measures

- a. Suitable extinguishing media and Hazards Special Fire-Fighting Procedure:**

Water spray, foam, chemical powder and CO₂

- b. Unsuitable Extinguishing and Extinguishing Method:**

Do not apply pressurized directly.

- c. Exposure to Combustion Products and Gases Coming out from burning materials:**

Gases may be toxic and/or irritant coming out from fires. Preventive measures should be taken to prevent the extinguishing agent covered by these materials from soaking into soil or spreading uncontrolled.

ç. Special protective equipment:

Use automatic aspiration equipment to be protected from smoke. Wear protective clothes.

6. Accidental release measures**• Personal precautions:**

Provide adequate ventilation. Use suitable protective equipment.

• Environmental Precautions:

Do not allow product reaching waste pipes and waterways, rivers and groundwater, sewers and avoid soil contamination.

• Methods for cleaning up:

Absorb with materials such as soil, sand, diatomite. Collect using an inert non-combustible absorbent material. Collected material should be disposed of in accordance with local regulations.

Warnings:

7. Handling and Storage**7.1 . Handling Protective Measures:**

Avoid contact with eyes and skin.

7.2 . Storage Conditions:

Store in original container closed. Keep in a dry, cool and well-ventilated place. Keep away from light and humidity.

Appropriate package material

Polyethylene bottles.

Maximum Storage Temperature: 54°C

Minimum Storage Temperature: 10°C

7.3 . Special Use(s)**8. Exposure Controls/Personal Protection****8.1 . Exposure limits****Maximum Professional Exposure Limit**

Exposure limits is not known during workmanship.

8.2 . Exposure Controls**8.2.1. Occupational Exposure Controls**

Exposure limits is not known during workmanship.

8.2.1.1. Respiratory protection

Use protective equipment having filter for organic vapour.

8.2.1.2. Hand protection

Wear protective gloves resistant to chemicals.

8.2.1.3. Eye/face protection

Wear chemical protective goggles or a face-shield.

8.2.1.4. Skin protection

Use appropriate protective equipment.

8.2.2. Environmental Exposure Controls

Use and keep the product in compliance with local laws and regulations. Very toxic to aquatic life and may affect the environment with negative effects for a long time.

9. Physical and chemical properties

9.1 . General Information

9.1.1. Appearance

Physical state: Gel Flash Point: Not applicable.

9.1.2. Odor: Faint, nearly odorless

9.2. Important Health, Safety and Environmental Information

DESCRIPTION	VALUE	UNIT
pH		
Melting Point/Range	No information available	°C
Flash Point	Not applicable	°C
Burning Point Temperature (solid, gas)	No information available	°C
Explosive Features		
Oxidizing properties		
Vapor pressure	No information available	Bar
Relative Density	-	
Solubility		
Solubility in oil (solvent oil :)		
Partition coefficient; n-octanol / water		
Viscosity		
Vapour Density		
Evaporation rate, ratio		

9.3. Other Information

• Miscibility	
• Conductivity	
• Melting Point/Range	
• Gas group	
• Auto Ignition Temperature	
• Other Safety Parameters	

10. Stability and reactivity

Stable under normal conditions.

10.1 . Conditions to avoid:

Keep away from very high temperatures

10.2 . Materials to avoid :

Strong oxidizing materials, strong acids and strong bases

10.3 . Hazardous Degradation / Dissolution Materials:

Not applicable.

○ **The need for and the presence of stabilizers**

- **Possibility of a hazardous exothermic reaction**
- **Safety significance, if any, of a change in physical appearance of the substance or preparation**
- **Hazardous decomposition products, if any, formed upon contact with water,**
- **Possibility of degradation to unstable products: No hazardous decay product had been detected.**

11. Toxicological information

Hazardous effects to health :

Eye and skin:

Fipronil

ACUTE TOXICITY:

Acute oral LD₅₀ of Fipronil for rats: 92 mg/kg

- **Known Effects**

Chronic Effects :

Sensitization

Carcinogenic

There are no Carcinogenic findings for Fipronil.

Mutagenic

There is no Mutagenic findings for Fipronil.

Reproductive toxicity

There is no teratogenic findings for Fipronil.

- **Exposure Ways**
- **Effects that may Arise Depending on Physical, Chemical and Toxicological Features**
- **Supplemental Toxicological Information:**


12. Ecological information

12.1. Ecotoxicity

Very toxic for aquatic lives.
12.2. Mobility: No data.
12.3. Persistence and Degradability: Product is bio soluble.
12.4. Bioaccumulative Potential: No data.
12.5. Other adverse effects

13. Disposal considerations
Waste disposal methods
Follow the rules relating to protective cloth and other measures. Use water with soap and carbon to clean up the exposed floor and other materials. Do not allow package of the product reaching waste pipes, sewers and environment. Medicine should be scrapped until infected soil layers reach to uninfected layers. Use an suitable safety container to prevent infection. Application and disposal should be performed in compliance with local laws. Discharged product cannot be reused, must be disposed. Product should be disposed in an authorized residual waste area.
Dispose of Package and Materials Infected with Substance / Preparation : Empty cans should be disposed of by an authorized institution.

14. Transport Information	
Classification of Transportation	Transportation Coding
<u>Transportation Classification for Motorway/Railway Transportation RID/ADR</u> Title: Additional Info: Insecticide at low hazardous level Restricted Quantity: LQ7	<u>ADR/RID:</u>
<u>Maritime Transportation Code Classification - IMDG</u> Title: Additional Info: Insecticide at low hazardous level The product can be carried by ship, in accordance with the IMDG Regulations, it does not present any type of danger in loading, transport or unloading.	<u>IMDG:</u> Not classified as a dangerous good under transport regulations
<u>Airway Transportation Classification – ICAO/IATA</u> Title: Additional Info: Insecticide at low hazardous level.	<u>ICAO/IATA:</u>

15. Regulatory information
<ul style="list-style-type: none"> Information Related to Health, Safety and Environment on the Label: <p style="text-align: center;"> DANGEROUS FOR ENVIRONMENT (N)  </p>
<ul style="list-style-type: none"> Prohibition and/or Restrictions and Relevant Regulation :
<ul style="list-style-type: none"> Relevant National Regulation : <p>REGULATION on CLASSIFICATION, PACKAGING and LABELING of HAZARDOUS SUBSTANCES and PREPARATIONS.</p>
<ul style="list-style-type: none"> Other National Measures Safety Measures:

16. Other Information
<ul style="list-style-type: none"> Risk Phrases Related to Risk Events <p>R 51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</p>
<ul style="list-style-type: none"> Training advices relating to secure use of substance/preparation <p>S 1/2: Keep locked up and out of the reach of children. S28: After contact with skin, wash immediately with plenty of water. S 36/37: Wear suitable protective clothing and gloves. S 45: In case of accident or if you feel unwell seek medical advice immediately (show the label where possible) S 56: Dispose of this material and its container at hazardous or special waste collection point. S 61: Avoid release to the environment. Refer to special instructions/safety data sheet.</p>
<ul style="list-style-type: none"> Recommended uses and restrictions for substance/preparation
<ul style="list-style-type: none"> Additional Information <p>These are the information we have currently. However, it does not mean that these are absolute data in case special events occur for this product.</p>
<ul style="list-style-type: none"> Identify the key information resources that are used to compile safety data sheet
<ul style="list-style-type: none"> Information on Update <p>This information is up-to-date.</p>

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