

PRODUCT SAFETY DATA SHEET

SUBSTANCE / PREPARATION NAME

AGRIZOLE

Date of preparation	10/07/2015
Release Date	10/07/2015
MSDS No	FORM_MSDS_R&D_187_00
Renewal Date/No	

Page No: 1/7

This form is based on SAFETY DATA FORMS AND REGULATION ABOUT THE PREPARATION AND DISTRIBUTION OF HAZARDOUS SUBSTANCES (dated 26/12/2008 and 27092 numbered).

1. DEFINITION OF SUBSTANCE/PREPARATION AND COMPANY/ BUSINESS OWNER:

1.1 Substance/ Presentation Of The Preparation:

Product Name : **AGRIZOLE**
Content : PYMETROZINE 50%
Formulation Type : Water dispersible granules (WG)
CAS No : 123312-89-0
IRAC : 9B Selective feeding blocker

1.2 Usage of Substance/Preparation:

Insectisit

1.3 Presentation of the Company:

Manufacturer and Licensee Company:

Company Name : AGRİ SCIENCES TARIM VE İLAÇ ÜR. SAN. TİC. LTD. ŞTİ.
Address : Bekir Saydam Caddesi Pancar No: 31 Torbalı / İZMİR
Telephone : +90 0232 864 13 33
Fax : +90 0232 864 16 79

1.4 Emergency Telephone:

Please call +90 0232 864 13 33 in an emergency.

2. INFORMATION ABOUT THE CONTENT/COMPOSITION :

3.

Substance	%	CAS No	EINECS/ELINCS	Hazard	R ¹	Classification
Pymetrozine	50	123312-89-0	-	Xn; N	R40, R52, R53	Xn; R40, N; R52, R53
Others ²	-	-	-	-	-	-

- Descriptions about ¹R are given in chapter 16
- It's out of classification in that does not contain dangerous substances.

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Release Date	10/07/2015
MSDS No	FORM_MSDS_R&D_187_00
Renewal Date/No	

Page No: 2/7

This form is based on SAFETY DATA FORMS AND REGULATION ABOUT THE PREPARATION AND DISTRIBUTION OF HAZARDOUS SUBSTANCES (dated 26/12/2008 and 27092 numbered).

3. IDENTIFICATION OF HAZARDS:



Xn: Harmful



N: dangerous for the environment

R40 : Limited evidence of a carcinogenic effect.

R52 : Harmful to aquatic organisms

R53 : May cause long-term adverse effects in the aquatic environment

4. FIRST AID PRECAUTIONS:

Symptoms of poisoning: headache, nausea, fatigue

First-aid measures: If medication has been inhaled in powder form, Remove patient to fresh air. Call a doctor and take it along with the drug label. drug if swallowed drug, patients induced vomiting, infected eyes or skin should be washed with soap and water.

Antidote and Required Information: There is no a specific antidote, are treated symptomatically.

5. FIRE-FIGHTING MEASURES

Required Personal Protective Equipment in Aid: Unaffected by the environment, breathing with independent air supply.

Hazards: Formation of dangerous gases is taken into account in case of fire.

Fire Extinguishers: Foam, carbon dioxide, extinguishing powder.

Further information: If even the fire is very small and easily extinguished, Call the fire department. Make a light spray to keep containers cool unopened containers. If the risk does not exist, without having to remove intact containers exposed to fire. Cover with sand or soil water the fire if necessary. Avoid contamination to Public open spaces, surface waters and the environment.

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AGRIZOLE

Date of preparation	10/07/2015
Release Date	10/07/2015
MSDS No	FORM_MSDS_R&D_187_00
Renewal Date/No	

Page No: 3/7

This form is based on SAFETY DATA FORMS AND REGULATION ABOUT THE PREPARATION AND DISTRIBUTION OF HAZARDOUS SUBSTANCES (dated 26/12/2008 and 27092 numbered).

6. ACCIDENTAL RELEASE PRECAUTIONS:

General Information: Use personal protection devices, specified in section 8.

Outpouring / Leaking: Sweep up spilled material in suitable containers, collect and send destruction. Collected product containers tightly closed and complete. The collected material should be handled according to Section 13.

7. HANDLING AND STORAGE

Handling : Use personal protective equipments specified in section 8. Do not eat or drink anything during the usage. Avoid contact with skin and eyes. Do not breathe it. Wash your hands after usage.

Storage : Store in original container in a cool, dry and well-ventilated place. Keep away from foods, drinks and animal feedstuffs. Protect from direct sunlight. Protect against freezing, do not put to reach area of children.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Engineering Precautions: Keep the substance concentration below the allowable limits by providing the appropriate general or regional ventilation.

Kişisel Korunma Donanımları:

Eye : Use safety glasses according to EN 166.

Skin : Use protective clothing and suitable gloves. If possible, use 2 layers of clothing. Use CE marked Nitrile rubber gloves (min 0,40 mm thick). Wash contaminated gloves. Dispose of the not cleanable gloves.

Respiration: Use breathing apparatus according to EN 149:2001. Breathing apparatus only used in short-term works to reduce the risk, for example, in local ventilations. Warning instructions prepared by manufacturers about respiratory protection apparatus must be followed.

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AGRIZOLE

Date of preparation	10/07/2015
Release Date	10/07/2015
MSDS No	FORM_MSDS_R&D_187_00
Renewal Date/No	

Page No: 4/7

This form is based on SAFETY DATA FORMS AND REGULATION ABOUT THE PREPARATION AND DISTRIBUTION OF HAZARDOUS SUBSTANCES (dated 26/12/2008 and 27092 numbered).

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Sold, granule
Color : Beige - Brown
pH : 5-11 (% 10 solution)
Solubility in water : Dispers

10. STABILITY AND REACTION

Stability : Stable under normal use and storage conditions.
Hazardous Polymerization : Will not occur.
Conditions to Avoid : Heat and light
Hazardous degradation products : High temperatures and toxic gases can be detached.
Hazardous Decomposition Products: Combustion or thermal decomposition may release toxic and irritating fumes.

11. TOXICOLOGICAL INFORMATION

Pymetrozine Technical Substance:

Oral Acute oral LD₅₀ for rats 5820 mg/kg. **Skin and eye** Acute percutaneous LD₅₀ for rats >2000 mg/kg. Non-irritating to skin and eyes (rabbits). Not a skin sensitiser (guinea pigs, M&K). **Inhalation** LC₅₀ (4 h) for rats >1800 mg/m³ air. **NOEL** (2 y) for rats 3.7 mg/kg b.w. daily; (90 d) for dogs 100 ppm (3 mg/kg b.w. daily); (1 y, oral) for dogs 5.33 mg/kg b.w. daily. **ADI/RfD** (EC) 0.03 mg/kg b.w.; aRfD 0.1 mg/kg b.w. [2001]; (EPA) aRfD 0.01 mg/kg b.w. (females aged 13–49), 0.125 mg/kg b.w. (general population), cRfD 0.0038 mg/kg b.w. [2005]. **Other** Non-mutagenic in 5 assay tests.
Toxicity Class WHO (a.i.) III (company classification).

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Date of preparation	10/07/2015
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MSDS No	FORM_MSDS_R&D_187_00
Renewal Date/No	

Page No: 5/7

This form is based on SAFETY DATA FORMS AND REGULATION ABOUT THE PREPARATION AND DISTRIBUTION OF HAZARDOUS SUBSTANCES (dated 26/12/2008 and 27092 numbered).

12. ECOLOGICAL INFORMATION

Pymetrozine Technical Substance:

Birds Acute oral LD₅₀ for bobwhite quail, mallard ducks >2000 mg/kg. LC₅₀ (8 d) for bobwhite quail >5200 ppm. **Fish** LC₅₀ (96 h) for rainbow trout, sheepshead minnows and common carp >100 mg/l. **Daphnia** LC₅₀ (48 h) 87 mg/l. **Algae** LC₅₀ (72 h) for *Scenedesmus subspicatus* 47.1 mg/l; (5 d) for *Selenastrum capricornutum* 21.7 mg/l. **Other aquatic spp.** EC₅₀ (96 h) for eastern oysters 3.05 ppm. **Bees** LD₅₀ (48 h) (oral) >117 µg/bee; (contact) >200 µg/bee. **Worms** LC₅₀ (14 d) for *Eisenia foetida* 1098 mg/kg soil. **Other beneficial spp.** Harmless to *Aleochara bilineata*, *Poecilus cupreus*, *Typhlodromus pyri*, *Aphidius matricariae* and *Chrysoperla carnea*; slightly harmful to *Orius insidiosus*; moderately harmful to *Aphidius colemani* (IOBC).

13. DISPOSAL INFORMATION

Product : Wastes should dispose of with household waste. The remaining amount of waste must not poured to sewage canal. Hazardous waste should be disposed of according to control regulation.

Contaminated Packing : Empty containers should be used for other products. Completely emptied and shaken containers must properly disposed. Uncontaminated packaging should be disposed of as hazardous waste.

14. TRANSPORT INFORMATION

ADR/RID/ADNR

UN-No. : 3077

Danger Signal : 9

Packaging Group : III

Property of the product : UN 3077 Environmental hazardous substance, sold N.O.S. (waste free) (INCLUDE PYMETROZINE)

IMDG



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Renewal Date/No	

Page No: 6/7

This form is based on SAFETY DATA FORMS AND REGULATION ABOUT THE PREPARATION AND DISTRIBUTION OF HAZARDOUS SUBSTANCES (dated 26/12/2008 and 27092 numbered).

UN-No. : 3077

Class : 9

Packaging Group : III

See Pollutant : Yes

Property of the product :UN 3077 Environmental hazardous substance, sold N.O.S.
(waste free) (INCLUDE PYMETROZINE)

IATA

UN-No. : 3077

Class : 9

Packaging Group : III

Property of the product :UN 3077 Environmental hazardous substance, sold N.O.S.
(waste free) (INCLUDE PYMETROZINE)

15. REGULATORY INFORMATION

This form is based on SAFETY DATA FORMS AND REGULATION ABOUT THE PREPARATION AND DISTRIBUTION OF HAZARDOUS SUBSTANCES (dated 26/12/2008 and 27092 numbered).

Hazard Signal and Symbol:



Xn: Harmful



N: Dangerous for the environment

Hazardous Substances Found On The Label:

Containing Pymetrozine

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MSDS No	FORM_MSDS_R&D_187_00
Renewal Date/No	

Page No: 7/7

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Risk Phrases

Health:

R40 : Limited evidence of a carcinogenic effect.

Environment:

R52 : Harmful to aquatic organisms

R53 : May cause long-term adverse effects in the aquatic environment

Safety Phrases:

S1/2 : Keep away from children and store under lock.

S13 : Keep away from foods, drinks and animal feedstuffs

S29 : Do not pour into sewer system.

S 36/37/39: Use suitable protective clothing, gloves and protective goggles/mask.

S46 : If swallowed, seek medical advice immediately, show the container or label..

S56 : Dispose the material at hazardous or special waste collection point.

Important Labeling :

To avoid from risks to man and environment, comply with the instruction of use.

16. OTHER INFORMATIONS

Xn: Harmful

N: Dangerous for the environment

Risk phrases mentioned in Section 2::

R40 : Limited evidence of a carcinogenic effect.

R52 : Harmful to aquatic organisms

R53 : May cause long-term adverse effects in the aquatic environment

This security information form is additional to manufacturer firm's instructions, however does not replace with instructions. This form contains regulation criterias for preparation of security form preparation. This form is based on safety data forms and regulation about the preparation and distribution of hazardous substances (dated 26/12/2008 and 27092 numbered). Please, the relevant institutions and individuals act according to this regulation.