

MATERIAL SAFETY DATA SHEET

NAME OF MATERIAL/PREPARATION

PIRİSECT

Date of Preparation	20/11/2012
Date of Issue	20/11/2012
MSDS No	FORM_MSDS_R&D_087_00
Renewal Date/No	

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PREPARED BASED ON REGULATION ON PREPARATION AND DISTRIBUTION OF SAFETY DATA SHEETS ABOUT HAZARDOUS MATERIALS AND PREPARATIONS (O.G. issue no 27092 dated 26/12/2008).

1. MATERIAL/PREPARATION AND COMPANY/OWNER IDENTIFICATION:

1.1 Material/Preparation Identification:

Product Name : PİRİSECT
Product Content : HYMEXAZOL 360 G/L
Formulation Form : SL (Water Soluble Concentrate)

HYMEXAZOL

CAS NO : 10004-44-1
EC NO : 233-000-6
FRAC : 32, A3 heteroaromatic

1.2 Usage of the Material/Preparation:

Fungicide

1.3 Company Identification:

Manufacturing and License Holding Company:

Company Name : AGRI SCIENCES TARIM VE ILAC UR. SAN. TIC. LTD. STI.
Address : Bekir Saydam Caddesi Pancar No: 31 Torbalı / İZMİR
Telephone : +90 0232 864 13 33
Fax : +90 0232 864 16 79

1.4 Emergency Contact Telephone:

In case of an emergency please call +90 0232 864 13 33.

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2. COMPOSITION AND INFORMATION ON INGREDIENTS:

Material	g/L	CAS No	EINECS/ELINCS	Hazard	R ¹	Classification
Hymexazol	360	10004-44-1	233-000-6	Xn, Xi; N	R22, R41, R52/53	Xn; R22, R41, N; R52/53
Potasyum Hidroksit	100	1310-58-3	215-181-3	C; Xn	R22, R35	C; R35
Others	Outside classification due to absence of hazardous material.					

- ¹ R explanations are under section 16.

3. HAZARD IDENTIFICATION:



C: CORROSIVE



N: DANGEROUS FOR THE ENVIRONMENT

R22: Harmful in case of swallowed.

R35: May cause serious burns.

R41: Risk of serious damage to eyes

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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4. FIRST AID MEASURES:

Poisoning indicators: It's not known since no toxicity symptom has been observed since now in production and applications.

First Aid Measures: In case of poisoning please contact a doctor, and show the container and label of the product to the doctor. Any body parts which came into contact with the product should be rinsed using soap and plenty of water.

Antidote and Necessary Information: There is no specific antidote. The treatment is applied according to the symptoms.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Pressurized water, CO2, fire extinguishing powder, foam, sand. Fire exit should be intervened immediately without causing any hazard. Use a protective mask.

In proper ventilated areas: Full-face mask with combination filter. (No protection from carbon monoxide!)

In closed areas: Insulation device (not affected by environment, respiration from independent air supply). The rain water is prevented from spreading around.

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6. ACCIDENTAL RELEASE MEASURES:

General Information: Please use the personal protection equipment defined under Section 8.

Personal Precautions: Do not touch spilled product or contaminated surfaces. Do not eat, drink or smoke while handling spilled product.

Spill Clean-up Procedure: Collect the product with a liquid retaining material (e.g. sand, sawdust, chemical binders). Place the product into tight plastic containers and keep safely until it is disposed. Contaminated materials and surfaces should be cleaned in compliance with environmental regulations.

Additional Precautions: Refer to Section 7 for safe handling instructions. Refer to Section 8 for personal protections equipment. Refer to Section 13 for disposal.

7. HANDLING AND STORAGE

Handling : Please use the personal protection equipment specified under Section 8. Do not eat or drink while handling the product. Avoid contact with the mouth, the skin or the eyes. Do not inhale the product. After handling the product thoroughly you're your hands. When handling closed containers no additional safety precautions other than the specified ones are needed. Only handle the product in rooms with a local suction device.

Storage : Please store the product in its original container, in a cool, dry and well-ventilated place. Keep away from food, drink and animal feed items. Protect from exposure to direct sunlight. Protect against freezing. Keep the product away from the reach of children.

Storage temperature: 0 to 40° C

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Precautions: Ensure appropriate general or local ventilation to keep the product concentration under allowed limits.

Personal Protection Equipment:

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Eye Protection: Use eye protection equipment compliant with EN 166.

Skin Protection: Use protective clothing and appropriate gloves. Use 2 layers of clothing, if possible. Use CE marked Nitrile Rubber (min. 0.40 mm thick). Contaminated gloves should be washed. Any gloves that cannot be cleaned inside and outside should be disposed.

Respiratory Protection: Use respiratory apparatuses compliant with EN 149:2001. Any respiratory protection apparatus should only be used for short term operations, as a part of risk minimization measures, e.g. in case of local ventilation. Comply with operation instructions and warnings of the manufacturer during use of respiratory protection apparatuses.

Good Hygiene Conditions: Do not eat, drink or smoke while handling the product. Make sure to wash your hands each time before eating, drinking, smoking or going to the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	: Liquid
Colour	: Yellow, orange
Odour	: Slight
Specific Gravity	: $1,020 \pm 0,05 \text{ g/cm}^3 (20^0\text{C})$
pH	: 6-11 10% (20 ⁰ C)

10. STABILITY AND REACTIVITY

Conditions to avoid: Extreme temperatures and exposure to direct sunlight

Substances to avoid: None

Hazardous reactions: When stored and handled appropriately no hazardous reactions are observed. The product is resistant to specified storage conditions.

11. TOXICOLOGICAL INFORMATION

Hymexazol Technical Material:

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Acute Oral LD₅₀ male rat 4678, female rat 3909, male rat 2148, female rat 1968 mg/kg.
Skin and eye acute percutan LD₅₀ male and female rat >10 000, male and female rabbit >2000 mg/kg. Irritating to eyes and mucous membrane, it does not cause skin irritation.
Respiration LC₅₀ (4 hours × 14 days) rat >2.47 mg/l.
Toxicity Class WHO (a.i.) U; EPA (formulation) III

12. ECOLOGICAL INFORMATION

Hymexazol Technical Material:

Birds acute oral LD₅₀ Japanese quail 1085, mallard ducks >2000 mg/kg.
Fish LC₅₀ (96 hours) rainbow trout 460 mg/l; (48 hours) carp 165 mg/l.
Bee: Not hazardous for bees.LD₅₀ (48 hours, oral and contact) >100 µg/bee.

13. DISPOSAL CONSIDERATIONS

Waste Disposal : Do not dispose product waste together with household wastes. Waste residue should not be spilled into wastewater canals. Any product wastes should be disposed of in compliance with Hazardous Wastes Control Regulations.

Contaminated Materials : Empty containers should not be used for other products. Completely emptied and rinsed containers should be disposed in compliance with regulations. Non-clearable containers should be disposed of as hazardous materials.

14. TRANSPORTATION INFORMATION

ADR/RID/ADNR
UN-No. : 3082
Hazard Mark : 9
Packing Group : III



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Product type : UN 3082 ENVIRONMENTALLY HAZARDOUS MATERIAL, LIQUID N.O.S. (INCLUDES HYMEXAZOL)

IMDG

UN-No. : 3082

Class : 9

Packing Group : III

EMS :

Marine Pollutant : Yes

Product Type : UN 3082 ENVIRONMENTALLY HAZARDOUS MATERIAL, LIQUID N.O.S. (INCLUDES HYMEXAZOL)

IATA

UN-No. : 3082

Class : 9

Packing Group : III

Product Type : UN 3082 ENVIRONMENTALLY HAZARDOUS MATERIAL, LIQUID N.O.S. (INCLUDES HYMEXAZOL)

15. REGULATORY INFORMATION

This data sheet is prepared based on regulation on preparation and distribution of safety data sheets about hazardous materials and preparations (O.G. issue no 27092 dated 26/12/2008).

Hazard Marks and Symbols:



C: CORROSIVE



N: DANGEROUS FOR THE ENVIRONMENT

Hazardous Materials Listed on the Label

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Includes Hymexazol.

Risk Phrases:

Physicochemical : -

Health :

R22: Harmful if swallowed.

R35: Causes significant burns.

R41: Significant damage risk for eyes.

Environment :

R52/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases:

S1/2: Keep locked and away from children.

S13: Keep away from food, drink and animal feed.

S20: Do not eat or drink during usage.

S25: Prevent from eye contact.

S26: Wash with plenty of water in case of contact with skin and call a doctor.

S 27/28: In case of contact with skin, remove the contaminated clothes immediately and wash with plenty of water.

S 29: Do not spill in sewage system.

S 35: Dispose of this material and its container carefully.

S 38: Insert appropriate respiratory device under insufficient ventilation.

S 36/37/39: Wear appropriate protective clothes, gloves and glass/mask.

S45: Call a doctor if you feel bad or in case of accident.

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S:46: If swallowed, call a doctor. Show the container or label

S 56: Dispose of this material and its container dangerous or special waste collection areas

S64: In case of swallow, wash the mouth with water (If the patient is conscious)

Important Labelling:

Follow instructions to avoid personal and environmental risks.

16. OTHER INFORMATION

All Risk Phrases under Section 2:

Xn: Harmful
Xi: Irritant
N: Dangerous for the environment
C: Corrosive

All Risk Phrases under Section 2:

NOT SUBJECT TO THE REGULATION ON PREPARATION AND DISTRIBUTION OF SAFETY DATA SHEETS ABOUT HAZARDOUS MATERIALS AND PREPARATIONS (O.G. issue no 27092 dated 26/12/2008).

R22: Harmful if swallowed.

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R35: Causes significant burns.

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Prepared By : Secil CANAYAKIN

This material safety data sheet is provided as a supplement to instructions of manufacturer; however it does not replace instructions of manufacturer. The information provided in this sheet only conforms to the regulatory criteria known at the time of the preparation of Safety Data Sheet. Required data are gathered in accord with "Regulation on Preparation and Distribution of Safety Data Sheets about Hazardous Materials and preparations (O.G. issue no 27092 dated 26/12/2008)". Concerned organizations and persons are invited to comply with the abovementioned regulation.