

## PRODUCT SAFETY DATA SHEET

**SUBSTANCE / PREPARATION NAME**

**ULTIMATRIX**

Date of preparation	16/01/2012
Release Date	16/01/2012
MSDS No	FORM_MSDS_R&D_048_00
Renewal Date/No	

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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 ThePreparation:

**Product Name** : **ULTIMATRIX**  
**Content** : 22,5 %FAMOXADONE & 30% CYMOXANIL  
**FormulationType** :Dry Fluid Concentrate (DF)

#### **Famoxadone**

**Cas No** : 131807-57-3  
**EC No** : -  
**FRAC** :11, C3 QoI; strobilurin type: oxazolidinedione

#### **Cymoxanil**

**Cas No** : 57966-95-7  
**EC No** : 261-043-0  
**FRAC** : 27, U cyanoacetamide oxime

#### 1.2 Usage of Substance/Preparation:

Fungicide

#### 1.3 Firm Presentation of theCompany:

##### **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:

Pleasecall +90 0232 864 13 33 in an emergency.

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### 2. INFORMATION ABOUT THE CONTENT/COMPOSITION:

Substance	%	CAS No	Hazard	R <sup>1</sup>	Classification	Substance
Famoxadone	22,5	131807-57-3	-	Xn, N	R48/22, R50, R53	Xn; R48/22, N; R50, R53
Cymoxanil	30	57966-95-7	261-043-0	Xn, N	R22, R43, R50-53	Xn; R22, R43, N; R50, R53
Others <sup>2</sup>	47,5	-	-	-	-	-

- Descriptions about<sup>1</sup> R are given in chapter 16
- <sup>2</sup> It's out of classification in that does not contain dangerous substances.

### 3. IDENTIFICATION OF HAZARDS:



**Xn: Harmful**



**N: Dangerous for the environment**

- R22 : Harmful: If swallowed,  
 R43 : May cause sensitization by skin contact.  
 R48/22 : Harmful: danger of serious damage to health by prolonged ingestion.  
 R50 : Very toxic to aquatic organisms.  
 R53 : May cause long-term adverse effects in aquatic environments.

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#### 4. FIRST AID PRECAUTIONS:

**TOXICOLOGICAL SYMPHOMS:** Gastrointestinalirritation, burning, diarrhea, headache, weakness, andsweatingmayoccur.

**FIRST AID MEASURES:** If swallow, to have the patient drink 1-2 bottles of water. If the patient isn't conscious, do not have to vomiting or drinking any thing by oral. Call a doctor immediately. If breathing, move the patient to fresh air, loosen his clothes and rest him.

Incase contact of eye, wash with plenty of water for 15 minutes, Incase contact the skin, wash exposed skin with plenty of soapy water.

**ANTIDOTE AND REQUIRED INFORMATION:** No specificantidote is known. Treatment symptomatically.

#### 5. FIRE-FIGHTING MEASURES

**Required Personal Protective Equipment in Aid:** If possible, use self contained breathing apparatus during fire.

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

**Fire extinguishers:** Foam, carbondioxide, extinguishing powder.

#### 6. ACCIDENTAL RELEASE PRECAUTIONS:

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

**Spill / Leak** :Sweep up spilled material in appropriate containers to collect and send destruction. Fill collected product in firmly closed containers. The collected material should be handled in accordance with Section 13.

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### 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. It does not need any other security precautions other than instructions on it. Use only the rooms with appropriate exhaust ventilation.

**Storage** : Store in original container in a cool, dry and well-ventilated place. Keep away from foods, drinks and animal feed stuffs. 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 allow able limits by providing the appropriate general or regional ventilation.

#### **Personal Protective Equipment:**

**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 work storeduce the risk, for example, in local ventilations. Warning instructions prepared by manufacturers about respiratory protection apparatus must be followed.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** : Sold,  
**Color** :Brown  
**pH** : 5-8 ( 1% lik destile water) (20<sup>0</sup>C)  
**BulkDensity** : 0,58 kg/m<sup>3</sup>  
**Solubility in water** :Disperse

### 10. STABILITY AND REACTION

**Conditions to avoid** : Slowly deteriorates in humid environment.  
**Substancesto be avoided** : moist air, water  
**Hazardous decomposition products:** Carbonoxides, nitrogenoxides (NOx)  
**Hazardous reactions** : No decomposition if stored and used as directed.

### 11. TOXICOLOGICAL INFORMATION

**FamoxadoneTechnical Substance:**

Acute Oral LD50 rat> 5000 mg / kg

Skin and eye Acute percutaneous LD50 rat> 2000 mg / kg

Inhalation rat LC50>5.3 mg / L

CHRISTMAS male rats 1.62, female rats 2.15, 95.6 male mice, female mice 130, male dog 1.2, female dog 1.2 mg / kg bw daily.

Toxicity class: WHO (ai) U, EPA (formulation) III

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### **Cymoxanil Technical Substance:**

Male rat acute oral LD50 760 mg / kg LD50 female rats is 1200 mg / kg  
Skin and eye Acute percutaneous LD50 rabbit > 2000 mg / kg (not irritating to the eye, the skin may cause mild tenderness.-Rabbit)  
Inhalation LC50 (4h) rat > 5.06 mg / L  
NOEL (2y) male rats at 4.1 mg / kg, female rats 5.4 mg / kg, male mice 4.2 mg / kg, female mice 5.8 mg / kg, dogs 3.0 mg / kg bw daily.  
Toxicity class: WHO (ai) III, EPA (formulation) III

## **12. ECOLOGICAL INFORMATION**

### **Famoxadone Technical Substance:**

Acute Oral LD50 quail (Bobwhite quail) > 2250 mg / kg. Dietary LC50 (5 d), quail (Bobwhite quail) and ducks (mallard ducks) > 5260 mg / kg  
Fish LC50 (96 hours), trout (rainbowtrout), 0011  
Daphnia EC50 (48 hours) 0.012 mg / l.  
Algae EbC50 (72 h) for *Selenastrum capricornutum* 0022 mg / l.  
Bee honeybee LD50 > 25 mg / bee; LC50 (48 h) > 1000 ppm

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### **Cymoxanil Technical Substance:**

Birds: Acute oral LD50 > 2250 mg / kg Quail & Duck (bobwhite quail and mallard ducks)  
Dietary LC50 (8 d) (bobwhite quail and mallard ducks) > 5620 mg / kg diet

Fish: LC50 (96 hours) rainbow trout (rainbow trout) 61 mg / l, bluegill sunfish 29 mg / L,  
common carp 91 mg / L, sheepshead minnows > 47.5 mg / l.

LC50 Daphnia (48 hours) 27 mg / L.

Algae EC50 (5 days) 1.21 mg / l (Selenastrum capricornutum), EC50 231 ppb  
(Anabaena flos-aquae)

Bees: Not toxic to bees. LD50 (48 hours, impact) > 25 mg / bee, LC50 (48 hours, oral) > 1000 ppm.

Worm: LD50 (14 days) > 2208 mg / kg soil.

### **13. DISPOSAL INFORMATION**

**Product** : Wastes should be disposed of with household waste. The remaining amount of waste must not be poured into a sewage canal. Hazardous waste should be disposed of according to control regulations.

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

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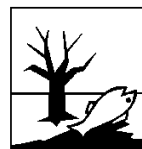
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### 14. TRANSPORT INFORMATION



#### ADR/RID/ADNR

**UN-No.** : 3077

**Class** : 9

**Packaging Group** : III

**Property of the product** : UN 3077 ENVIRONMENTAL HAZARDOUS SUBSTANCE, SOLID N.O.S. (WASTE FREE )(CONTAINING FAMOXADONE AND CYMOXANIL)

#### IMDG

**UN-No.** : 3077

**Class** : 9

**Packaging Group** : III

**Sea Pollutant** : Yes

**Property of the product** : UN 3077 ENVIRONMENTAL HAZARDOUS SUBSTANCE, SOLID N.O.S. (WASTE FREE )(CONTAINING FAMOXADONE AND CYMOXANIL)

#### IATA

**UN-No.** : 3077

**Class** : 9

**Packaging Group** : III

**Property of the product** : UN 3077 ENVIRONMENTAL HAZARDOUS SUBSTANCE, SOLID N.O.S. (WASTE FREE )(CONTAINING FAMOXADONE AND CYMOXANIL)



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### 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: Zararli**



**N: Dangerous for the environment**

#### Hazardous Substances Found On The Label:

Containing Famoxadone and Cymoxanil.

#### Risk Phrases

**Physicochemical: -**

**Health:**

**R22** : Harmful: If swallowed,

**R43** : May cause sensitization by skin contact.

**R48/22** : Harmful: danger of serious damage to health by prolonged ingestion.

#### Environment

**R50** : Very toxic to aquatic organisms.

**R53** : May cause long-term adverse effects in aquatic environments.

#### Important Labeling :

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

Additional Information:

Class-Famoxadone toxicity: WHO (ai) U, EPA (formulation) III

Class-Cymoxanil toxicity: WHO (ai) III, EPA (formulation) III

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### Safety Phrases:

- S1/2** : Keep out of reach of children  
**S13** : Keep away from food, drink and animal feed stuffs  
**S20/21** : Do not eat or drink during the usage.  
**S24** : Avoid contact with skin.  
**S29** : Do not empty into drains.  
**S36/37/39** : Use suitable protective clothing, gloves and protective goggles/mask.  
**S46** : If swallowed, seek medical advice immediately and show the label.  
**S56** : Remove this material and its jar in special waste collection point.

### 16. OTHER INFORMATIONS

**N: DANGEROUS FOR THE ENVIRONMENT**

**Xn: HARMFUL**

### Risk phrases mentioned in Section 2:

- R22** : Harmful: If swallowed,  
**R43** : May cause sensitization by skin contact.  
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**PreparedBy** Seçil CANAYAKIN

This security information form is additional to manufacturer firm's instructions, however does not replace within structions. This form contains regulation criteria 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.