

# PRODUCT SAFETY DATA SHEET

**SUBSTANCE / PREPARATION NAME**

**CYMOPRO**

Date of preparation	11/05/2011
Release Date	17/05/2011
MSDS No	FORM_MSDS_R&D_003_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 The Preparation:

**Product Name** : **CYMOPRO**  
**Content** : PROPINEB 70%, CYMOXANIL 6%  
**Formulation Type** : WP (Wettable Powder)

#### Propineb

**Cas No** : 12071-83-9  
**EC No** : 235-134-0  
**FRAC Class** : M3, M multi-site: alkylenebis(dithiocarbamate)

#### Cymoxanil

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

### 1.2 Usage of Substance/Preparation:

Fungusit

### 1.3 Presentation of the Company:

#### Manufacturer and Licensee Company:

**Company Name** : AGRİ SCIENCES TARIM VE İLAÇ ÜR. SAN.TİC.LTD. ŞTİ.  
**Address** : BekirSaydamCaddesiPancar 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.

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

Substance	%	CAS No	EINECS/ELINCS	Hazard	R <sup>1</sup>	Classification
Propineb	70	12071-83-9	235-134-0	Xn, Xi, N	R20, R48/20/22, R43, R50	Xn; R20, T; 48/20/22, R43, N; R50
Cymoxanil	6	57966-95-7	261-043-0	Xn; N	R22, R43, R50, R53	R43
Others*	-					

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

### 3. IDENTIFICATION OF HAZARDS:



#### **T: TOXIC**

- R20 : Harmful, if inhaled  
 R43 : May cause sensitization by skin contact.  
 R48/20/22 : Harmful: Danger of serious damage to health by prolonged ingestion.  
 R50 : Very toxic to aquatic organisms.



#### **N: DANGEROUS FOR THE ENVIRONMENT**

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#### 4. FIRST AID PRECAUTIONS:

**General Information:** The survivors are moved out of dangerous area. In case of danger of fainting during storage and transport securely deposited in the side. Soiled or soaked clothing immediately removed.

**Skin contact:** Wash off with soap and water.

**Eye Contact:** Wash eyes with plenty of water. Consult an eye specialist.

**Ingestion:** Call a doctor immediately.

**Information for doctor:** See Chapter 11 for information on toxicology.

Chemically active substances specified in Chapter 2 belong to the group:

Dithiocarbamate (Propineb), cyanoacetamide oxime (Cymoxanil).

Therapeutic measures: Basic aid, decontamination, symptomatic treatment.

#### 5. FIRE-FIGHTING MEASURES

**Required Personal Protective Equipment in Aid:** Do not breathe fumes of explosion and fire. 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, carbon dioxide, extinguishing powder.

**Other Information:** Remove the product from fire areas, cool containers with water. If possible, use sand or earth after fire fighting water.

#### 6. ACCIDENTAL RELEASE PRECAUTIONS:

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

**Personal Alerts:** Avoid contact with spilled product or contaminated areas. Do not eat, drink or smoke when dealing with spilled product.

**The Cleaning Process:** The product is collected with liquid retaining material (such as peat, sawdust, chemical binder). Substance collected into hard plastic containers and

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stored in a secure way until to destroy. Contaminated substances, cleaned according to environment and ground instructions. The product flowing to drains or sewers is blocked.If waste is mixed with water, it is reported to the authorities.

**Additional Precautions:** Look at section 7 for safe use. Look at section 8 for personal protective equipment. Look at section 13 for disposal.

### 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 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.

**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 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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**Hygiene Precautions:** Do not eat, drink or smoke during usage. Wash your hands every time before going to the toilet, eating, drinking and smoking.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** : Solid, powder  
**Color** : Beige  
**Smell** : Light Characteristic  
**pH** : 6.0-8.0 1% (20<sup>0</sup>C)  
**Bulk Densite** : 0,58± 0,05 g/cm<sup>3</sup>  
**Solubility in water** : Dispers

### 10. STABILITY AND REACTION

**Conditions to avoid** : Extreme temperatures and direct sunlight.  
**Substances to avoid** : It is possible to occur carbondisulfid and hydro sulfur with acids.

### 11. TOXICOLOGICAL INFORMATION

**Propineb Technical Substance:**

**Acute Oral LD<sub>50</sub>** rat >5000 mg/kg LD<sub>50</sub> rabbit >2500 mg/kg

**Skin and Eyes Acute percutan LD<sub>50</sub>** rat >5000 mg/kg (, it is not irritating for skin. (Rabbit)

**Respiration LC<sub>50</sub>** rat (4 hours) 2420 mg/m<sup>3</sup> air

**NOEL** (2y) 2,5 rat mg/kg; rat 106 mg/kg; dog 25 mg/kg b.w daily.

**ADI/RfD** (JMPR) 0,007 mg/kg b.w; 0.0003 mg/kg b.w. propylenethiourea (PTU) [1993-2004]; (EC) 0,007 mg/kg b.w. [2003]

**Toxicity Class:** WHO (a.i.) U , EPA classification (formulation) IV

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### **Cymoxanil Technical Substance:**

**Acute Oral** LD<sub>50</sub>buck 760 mg/kg LD<sub>50</sub>rat 1200 mg/kg

**Skin and Eyes** Acute percutan LD<sub>50</sub>rabbit 2000 mg/kg Not irritating to the eyes, the skin may cause slight tenderness.

**Respiration** LC<sub>50</sub> (4h) rat >5,06 mg/L

**NOEL** (2y) buck 4,1 mg/kg; rat 5,4 mg/kg; buck 4,2 mg/kg; rat 5,8 mg/kg; dog 3,0 mg/kg b.w. daily.

**ADI/RfD** (EC) 0.013 mg/kg b.w. [2008]; (BfR) 0.03 mg/kg b.w. [2006]; (EPA) RfD 0.013 mg/kg [1998].

**Toxicity Class:** WHO (a.i.) III; EPA (formulation) III

## **12. ECOLOGICAL INFORMATION**

### **Propineb Technical Substance:**

**Bird** : Acute Oral LD<sub>50</sub>>5000 mg/kg quail

**Fish** : LC<sub>50</sub> (96hours) rainbow trout 0,4mg/l, golden orfe 133 mg/l.

Daphnia LC<sub>50</sub> (48saat) 4,7 mg/L. Alg E<sub>r</sub>C<sub>50</sub>(96 hours) 2,7 mg/l

**Bee** : It is not toxic to bees. LD<sub>50</sub> (effect) > 164ng/bee

**Worm** : LD<sub>50</sub> (14 days) >700µg/kg dry heavy soil. (70WP, 70 WG)

### **Cymoxanil Technical Substance:**

**Birds** : Acute Oral LD<sub>50</sub>>2250 mg/kg bobwhite quail and mallard ducks Dietary LC<sub>50</sub> (8 d) (bobwhite quail ve mallard ducks) >5620 mg/kg diet

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**Fish** : LC<sub>50</sub> (96 hours) rainbow trout 61 mg/l, bluegill sunfish 29 mg/L, common carp 91mg/L, sheep head minnows >47.5 mg/l.

Daphnia LC<sub>50</sub> (48 saat) 27 mg/L.

Alg EC<sub>50</sub> (5 days) 1,21 mg/l (Selenastrumcapricornutum), EC<sub>50</sub> 231 ppb (Anabaena flos-aquae)

**Bee** : It is not toxic to bees. (48 hours, effect) >25µg/ari, LC<sub>50</sub>(48 hours, oral)>1000 ppm.

**Worm** : LD<sub>50</sub> (14 days) >2208mg /kg soil.

### 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:**UN3077 Environmental hazardous substance, solid N.O.S. (waste free )(Mixture of Cymoxanil and Propineb)

#### IMDG

**UN-No.** : 3077

**Class** : 9

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**Packaging Group** : III

**See Pollutant** : Yes

**Property of the product:** UN 3077 Environmental hazardous substance, solid N.O.S.  
(waste free )(Mixture of Cymoxanil and Propineb)

**IATA**

**UN-No.** : 3077

**Class** : 9

**Packaging Group** : III

**Property of the product:** UN 3077 Environmental hazardous substance, solid N.O.S.  
(waste free )(Mixture of Cymoxanil and Propineb)

### 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:**



**T: Toxic**



**N: Dangerous for the environment**

**Hazardous Substances Found On The Label:** Containing Propineb and Cymoxanil

**Risk Phrases**

**Physicochemical**

**Health:**

R20 : Harmful, if inhaled

R43 : May cause sensitization by skin contact.

R48/20/22 : Harmful: Danger of serious damage to health by prolonged ingestion.



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### Environment:

R50 : Very toxic to aquatic organisms.

### Safety Phrases:

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

S22 : Do not breathe dust.

S24 : Avoid contact with skin.

S60 :This material and its container must be disposed of as hazardous waste.

S61 :Avoid release from the environment. Refer to special instructions / Safety Data Sheet.

### Important Labeling :

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

### Additional Information:

**Propineb:** WHO (ai) U, the EPA classification (formulation), IV

**Cymoxanil:** WHO (a.i.) III; EPA (formulation) III

### 16.OTHER INFORMATION

**N** :Dangerous for the environment

**Xn** :Harmful

**Xi** : Irritant

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### **Risk phrases mentioned in Section 2:**

- R20** : Harmful, if inhaled  
**R22** :Harmful: If swallowed,  
**R48/20/22** : Harmful: If swallowed, there may be long term risk and serious damage.  
**R43** :Ciltiletemasındahassasiyetoluşturabilir.  
**R50** : Very toxic to aquatic organisms.  
**R53** : May cause sensitization by skin contact.

This security information form is additional to manufacturer firm's instructions, however does not replace with instructions. 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.