

## PRODUCT SAFETY DATA SHEET

**SUBSTANCE / PREPARATION NAME**

**CENTUREX**

Date of preparation	15/07/2015
Release Date	15/07/2015
MSDS No	FORM_MSDS_R&D_198_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** : **CENTUREX**  
**Content** : Calcium Hyroxide and Copper (II) Sulphate (Bordeaux Mix)  
20%  
**FormulationType** :WG ( Water Dispersable Granule)

#### Famoxadone

**Cas No** : 8011-63-0  
**FRAC** : M1; multi-site: inorganic

#### 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
Calcium Hydroxide and Copper (II) Sulphate (Bordeaux Mix)	20	8011-63-0	Xn, Xi, N	R20, R41, R50, R53	Xi; R41, N; R50, R53
Others <sup>2</sup>		-	-	-	-

- 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**

R41 : Risk of serious damage to eyes

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 SYMPTOMS:** Gastrointestinal irritation, if swallow, mineral taste, burning, bloody diarrhea, headache, weakness, and sweating may occur.

**FIRST AID MEASURES:** 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.

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

**ANTIDOTE AND REQUIRED INFORMATION:** No specific antidote 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, carbon dioxide, 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.

#### 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.

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**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.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** : Solid,

**Color** : Blue

**pH** : 6-10 ( 1% lik destile water) (20<sup>0</sup>C)

**BulkDensity** : 0,60 ± 0,05 kg/m<sup>3</sup>

**Solubility in water** : Disperse

### 10. STABILITY AND REACTION

**Conditions to avoid** : Slowly deteriorates in humid environment.

**Substance to be avoided** : moist air, water

**Hazardous decomposition products:** Carbonoxides, nitrogenoxides (NO<sub>x</sub>)

**Hazardous reactions** : No decomposition if stored and used as directed.

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### 11. TOXICOLOGICAL INFORMATION

#### Bordeaux Mix. Technical Material

Akut Oral LD<sub>50</sub>rat > 4000 mg/kg

### 12. ECOLOGICAL INFORMATION

#### Bordeaux Mix. Technical Material

**Fish:** Toxic for fishes.

**Bee:** Not Toxic.

### 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.

### 2. TRANSPORT INFORMATION

#### ADR/RID/ADNR

**UN-No.** : 3082

**Hazard Signal** : 9

**Packaging Group** : III

**Description of the goods** : UN 3082 Environmentally hazardous substance, liquid, N.O.S. (CONTAINING Bordeaux Mix.)IMDG

**UN-No.** : 3082

**Class** : 9

**Packaging Group** : III

**EMS** :

**Marine Pollutant** : Yes

**Description of the goods** : UN 3082 Environmentally hazardous substance, liquid, N.O.S. (CONTAINING Bordeaux Mix.)IMDG

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**Class** : 9

**Packaging Group** : III

**EMS** :

**Marine Pollutant** : Yes

**Description of the goods** : UN 3082 Environmentally hazardous substance, liquid, N.O.S. (CONTAINING Bordeaux Mix.)IMDG

### 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: Zararlı**



**N: Dangerous for the environment**

#### Hazardous Substances Found On The Label:

Containing Bordeaux Mix. (Calcium Hydroxide and Copper (II) Sulphate)

#### Risk Phrases

**Physicochemical:** -

**Health:**

**R41** : Risk of serious damage to eyes

#### Environment

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

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

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### Safety Phrases:

- S1/2** : Keep out of reach of children
- S13** : Keep away from food, drink and animal feed stuffs
- S25** : Avoid contact with eyes
- S26** : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- 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
- Xi** : Irritant

#### Risk phrases mentioned in Section 2:

- R41** : Risk of serious damage to eyes
- R50** : Very toxic to aquatic organisms.
- R53** : May cause long-term adverse effects in aquatic environments.

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**Prepared By**                        Remzi Can KARAN

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