

## PRODUCT SAFETY DATA SHEET

|                                     |                    |
|-------------------------------------|--------------------|
| <b>SUBSTANCE / PREPARATION NAME</b> | <b>ODEON 50 WP</b> |
|-------------------------------------|--------------------|

|                     |                      |
|---------------------|----------------------|
| Date of preparation | 28/07/2015           |
| Release Date        | 28/07/2015           |
| MSDS No             | FORM_MSDS_R&D_236_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** : ODEON 50 WP  
**Content** : CAPTAN 50g/L L  
**Formulation Type** : WP (Wettable Powder)

**Cas No** : 000133-06-2  
**EC No** : -  
**FRAC** : M4, M multi site: phthalimides

#### 1.2 Usage of Substance/Preparation:

Fungicide

#### 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 and Emergency and National Poison Center 114.

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

| Substance | %  | CAS No      | EINECS/ELINCS | Hazard    | R <sup>1</sup>       | Classification                  |
|-----------|--|-------------|---------------|-----------|----------------------|---------------------------------|
| Captan    | 50   | 000133-06-2 | 205-087-0     | Xi, Xn, N | R36<br>R43<br>R50/53 | Xi; R43<br>Xn; R36<br>N; R50/53 |
| Others    | Outside classification due to absence of hazardous material. |             |               |           |                      |                                 |

- Descriptions about <sup>1</sup>R are given in chapter 16

### 3. IDENTIFICATION OF HAZARDS:



**Xn: (Repr. Cat. 3) Toxic to reproduction system**



**N: Dangerous for the Environment**

R36 - Irritating to eyes.

R43 - May cause sensitisation by skin contact.

R 50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### 4. FIRST AID PRECAUTIONS:

**Poisoning indicators:** May cause shiver, dizziness, rash, skin erythema and diarrhea and corrosion of skin, eyes and organs.

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**First Aid Measures:** In case of poisoning please stop working and contact with a doctor. In case of contact with skin or eyes, wash with plenty of water. In case contact with eye, wash with plenty of water minimum 10 minutes. In case inhale, remove the patient to fresh air. If swallowed, give medical coal with plenty of water. If swallowed large amount of concentrated medicine, call for medical assistance. Note: Do not give anything by mouth to unconscious patients.

**Antidote and Essential Information:** There is no specific antidote or treatment according to symptoms.

### 5. FIRE-FIGHTING MEASURES

**Required Personal Protective Equipment in Aid:** Do not breathe the gases during the fire or explosion. Breathe with unaffected by the environment, independent air supply.

**In areas which is well-ventilated:** Full face mask with combined filters (it doesn't protect carbon monoxide!)

**Fire Extinguishers:** Water mist, Foam, carbon dioxide, extinguishing powder, alcohol resistant foams (TAC type). Water jet cannot be used.

**Further information:** Make a light spray to keep containers cool unopened containers. Cover with sand or soil water the fire if necessary.

Prevent diffusion of contamination to public open spaces, surface waters and the environment.

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### 6. ACCIDENTAL RELEASE PRECAUTIONS:

**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 Measures: Look section 7 for safe usage.** Look section 7 for safe use, section 8 for personal protective equipment. Look section 13 for disposal.

### 7. HANDLING AND STORAGE

**Handling:** Keep away from acids. 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.

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## 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

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

**Personal Protection Equipment:**

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

**Skin:** 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

|                   |  |
|-------------------|--|
| <b>Appearance</b> | : Solid, powder                                      |
| <b>Color</b>      | : Beige-white  |
| <b>Odour</b>      | : Slightly Tang                                      |
| <b>Density</b>    | : $0,45 \pm 0,10 \text{ g/cm}^3$ (20 <sup>0</sup> C) |
| <b>pH</b>         | : 7,5 – 9,5 1% (20 <sup>0</sup> C)                   |
| <b>Solubility</b> | : Dispersible  |

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### 10. STABILITY AND REACTION

**Conditions to Avoid** : Extreme heat and direct sun light.

**Materials to avoid** : -

**Hazardous reactions** : When stored and handled appropriately no hazardous reactions are observed.

### 11. TOXICOLOGICAL INFORMATION

**Captan Technical Substance:**

**Oral** Acute oral LD<sub>50</sub> for rats 9000 mg/kg.

**Skin and eye** Acute percutaneous LD<sub>50</sub> for rabbits >4500 mg/kg. Corrosive to eyes; mild skin irritant (rabbits).

**Inhalation** LC<sub>50</sub> for rats 0.668 mg/l (tech.). Dust may cause respiratory irritation.

**Toxicity Class** WHO (a.i.) U; EPA (formulation) IV

### 12. ECOLOGICAL INFORMATION

**Captan Technical Substance:**

**Birds** Acute oral LD<sub>50</sub> for mallard ducks and pheasants >5000, bobwhite quail 2000–4000 mg/kg. Not toxic to starlings or red-winged blackbirds at 100 mg/kg.

**Fish** LC<sub>50</sub> (96 h) for bluegill sunfish 0.072, harlequin fish 0.3, brook trout 0.034 mg/l.

**Daphnia** LC<sub>50</sub> (48 h) 7–10 mg/l.

**Other aquatic spp.** Moderately toxic to aquatic invertebrates.

**Bees** LD<sub>50</sub> (oral) 91 µg/bee; (contact) 788 µg/bee.

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### 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, liquid N.O.S. (CONTAINS CAPTAN)



#### IMDG

**UN-No.** : 3077

**Class** : 9

**Packaging Group** : III

**See Pollutant** : Yes

**Property of the product** :UN 3077 Environmental hazardous substance, liquid N.O.S. (CONTAINS CAPTAN)

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### IATA

**UN-No.** : 3077

**Class** : 9

**Packaging Group** : III

**Property of the product** : UN 3077 Environmental hazardous substance, liquid  
N.O.S. (CONTAINS CAPTAN)

### 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: (Repr. Cat. 3) Toxic to reproduction system**



**N: Dangerous for the Environment**

#### Hazardous Substances Found On The Label:

Contains captan.



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### **Risk Phrases**

#### **Physicochemical:**

#### **Health:**

R36 - Irritating to eyes.

R43 - May cause sensitisation by skin contact.

#### **Environment:**

R 50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### **Safety Phrases:**

S 2 - Keep out of the reach of children

S 13 - Keep away from food, drink and animal feedingstuffs

S 20/21 - When using do not eat, drink or smoke.

S 24 - Avoid contact with skin

#### **Important Labeling :**

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

## **16. OTHER INFORMATIONS**

**N:** Dangerous for the environment

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

R 50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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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.

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**Prepared By** Remzican KARAN