

## PRODUCT SAFETY DATA SHEET

**SUBSTANCE / PREPARATION NAME**

**PAROMET 50 EC**

Date of preparation	28/07/2015
Release Date	28/07/2015
MSDS No	FORM_MSDS_R&D_235_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** : PAROMET 50 EC  
**Content** : Tria Imazalil 500 g/L dimenol 50 g/L  
**Formulation Type** : EC (Emulsion Concentrate)

**Cas No** : 35554-44-0  
**EC No** : 252-615-0  
**FRAC** : 3, G1 SBI Class I, DMI: imidazole

#### 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	g/L	CAS No	EINECS/ELINCS	Hazard	R <sup>1</sup>	Classification
Imazalil	500	35554-44-0	252-615-0	Xn, Xi, N	R20/22, R41, R50, R53	Xn, N; R20/22, R41, R50, R53
Mono Etilen Glikol	277	107-21-1	203-473-3	Xn	R22	Xn; R22
Ksilen	131	1330-20-7	215-535-7	Xn, Xi	R10, R20/21, R38	Xn; R10, R20/21
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: Harmful**



**N: Dangerous for the Environment**

R10 - Flammable.

R 20/21/22 - Harmful by inhalation, in contact with skin and if swallowed.

R41 - Risk of serious damage to eyes.

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

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#### 4. FIRST AID PRECAUTIONS:

**Poisoning indicators:** May cause shiver, dizziness, rash, skin erythema and diarrhea. Inappetency and nauseating can be observed with overdose exposure.

**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 and 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.

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

**Fire Extinguishers:** **Water mist**, Foam, carbon dioxide, extinguishing powder, alcohol resistant foams (TAC type).

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

**Storage temperature;** 0-30 °C

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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>	: Liquid, clear
<b>Color</b>	: Yellow
<b>Odour</b>	: Aromatic
<b>Density</b>	: $1,12 \pm 0,05 \text{ g/cm}^3$ (20 <sup>0</sup> C)
<b>pH</b>	: 7-9 1% (20 <sup>0</sup> C)
<b>Flash Point</b>	: min 26°C

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### 10. STABILITY AND REACTION

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

**Materials to avoid** : Strong acids and alkaline.

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

### 11. TOXICOLOGICAL INFORMATION

#### Imzalil Technical Substance:

**Oral** Acute oral LD<sub>50</sub> for rats 227–343, dogs >640 mg/kg.

**Skin and eye** Acute percutaneous LD<sub>50</sub> for rats 4200–4880 mg/kg. Not a skin irritant; a severe eye irritant (rabbits) (*FAO Specifications*). Not a skin sensitizer (guinea pigs) (*FAO Specifications*).

**Inhalation** LC<sub>50</sub> (4 h) for rats 2.43 mg/l.

**NOEL** (2 y) for rats 2.5 mg/kg b.w. daily; (1 y) for dogs 2.5 mg/kg b.w.

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

### 12. ECOLOGICAL INFORMATION

#### Imzalil Technical Substance:

**Birds** LD<sub>50</sub> for ring-necked pheasants 2000, quail 510 mg/kg. LC<sub>50</sub> (8 d) for mallard ducks >2510 mg/kg b.w.

**Fish** LC<sub>50</sub> (96 h) for rainbow trout 1.5, bluegill sunfish 4.04 mg/l.

**Daphnia** LC<sub>50</sub> (48 h) 3.5 mg/l.

**Algae** EC<sub>50</sub> 0.87 mg/l (*FAO Specifications*).

**Bees** Not hazardous to bees when used as directed. LD<sub>50</sub> (oral) 40 µg/bee.

**Worms** LC<sub>50</sub> for Eisenia foetida 541 mg/kg soil (*FAO Specifications*).

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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.** : 3082

**Danger Signal** : 9

**Packaging Group** : III

**Property of the product** :UN 3082 Environmental hazardous substance N.O.S.  
(CONTAINS IMAZALIL, MONO ETHYLENE GLYCOL VE XYLENE)



#### IMDG

**UN-No.** : 3082

**Class** : 9

**Packaging Group** : III

**See Pollutant** : Yes

**Property of the product** :UN 3082 Environmental hazardous substance N.O.S.  
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### IATA

**UN-No.** : 3082

**Class** : 9

**Packaging Group** : III

**Property of the product** :UN 3082 Environmental hazardous substance N.O.S.  
(CONTAINS IMAZALIL, MONO ETHYLENE GLYCOL VE XYLENE)

### 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: Harmful**



**N: Dangerous for the environment**

#### Hazardous Substances Found On The Label:

Contains imazalil, mono ethylene glycol ve xylene.

#### Risk Phrases

##### Physicochemical:

R10 - Flammable.



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**Health:**

R 20/21/22 - Harmful by inhalation, in contact with skin and if swallowed.

R41 - Risk of serious damage to eyes.

**Environment:**

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

**Safety Phrases:**

S1/2 - Keep away from children and store under lock.

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

S 25 - Avoid contact with eyes

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S 29 - Do not empty into drains

S 36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

S 46 - If swallowed, seek medical advice immediately and show this container or label

S 56 - Dispose of this material and its container to hazardous or special waste collection point

**Important Labeling :**

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

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

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## 16. OTHER INFORMATIONS

**N:** Dangerous for the environment

**Xi:** Irritant

**Xn:** Harmful

### Risk phrases mentioned in Section 2:

R10 - Flammable.

R 20/21/22 - Harmful by inhalation, in contact with skin and if swallowed.

R38 - Irritating to skin.

R41 - Risk of serious damage to eyes.

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

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