

# MATERIAL SAFETY DATA SHEET

**NAME OF MATERIAL/PREPARATION**

**SPLASH**

Date of Preparation	27/07/2015
Date of Issue	27/07/2015
MSDS No	FORM_MSDS_R&D_218_00
Renewal Date/No	

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PREPARED BASED ON REGULATION ON PREPARATION AND DISTRIBUTION OF SAFETY DATA SHEETS ABOUT HAZARDOUS MATERIALS AND PREPARATIONS (O.G. issue no 27092 dated 26/12/2008).

## 1. MATERIAL/PREPARATION AND COMPANY/OWNER IDENTIFICATION:

### 1.1 Material/Preparation Identification:

**Product Name** : **SPLASH**  
**Product Content** : Difenoconazole 150 g/L + Propiconazole 150g/l  
**Formulation Form** : EC (Emulsion Concentrate)

#### Difenoconazole

**Cas No** : 119446-68-3  
**FRAC** : 3 DMI; triazole

#### Propiconazole

**Cas No** : 60207-90-1  
**FRAC** : 3 DMI; triazole

### 1.2 Usage of the Material/Preparation:

Fungicide

### 1.3 Company Identification:

#### Manufacturing and License Holding Company:

**Company Name** : AGRI SCIENCES TARIM VE ILAC UR. SAN. TIC. LTD. STI.  
**Address** : Bekir Saydam Caddesi Pancar No: 31 Torbali / IZMIR  
**Telephone** : +90 0232 864 13 33  
**Fax** : +90 0232 864 16 79

### 1.4 Emergency Contact Telephone:

In case of an emergency please call +90 0232 864 13 33

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## 2. COMPOSITION AND INFORMATION ON INGREDIENTS

Material	g/L	CAS No	EINECS/ELINCS	Hazard	R <sup>1</sup>	Classification
Difenocanazole	150	119446-68-3	-	Xn, N	R22, R50/53	N; R50/53
Propiconazole	150	60207-90-1	-	Xn, N	R22, R43, R50/53	Xi;R43 N; R50/53
Solvesso 100	>500	63231-51-6	-	Xn, Xi	R10, R20/21, R38	R10, Xn R20/21, R38
Others *	Out of classification due to the fact that it does not include hazardous material.					

- <sup>1</sup> R explanations are under section 16.

## 3. HAZARD IDENTIFICATION



**Xn: Harmful**



**N: DANGEROUS FOR THE ENVIRONMENT**

R10 - Flammable.

R 20/21 - Harmful by inhalation and in contact with skin.

R38 - Irritating to skin.

R43 - May cause sensitization by skin contact.

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 MEASURES

**Eye Contact:** Wash eyes with plenty of water for 15 min. Consult an eye specialist.

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

**If inhaled:** Move patient to fresh and well-ventilated area, call a doctor.

**If swallowed:** Consult to doctor with the product label and MSDS document. Do not puke.

**Antidote and Necessary Information:** There is no special antidote. Symptomatic treatment is applied.

## 5. FIRE FIGHTING MEASURES

**Personal Protective Equipment for Fire-fighting:** If available, use self-contained respiratory device during the fire.

**Extinguishers:** Foam, carbon dioxide, fire extinguishing powder, dust. Protective mask should be used. Do not use water jet in order to avoid spreading of fire.

## 6. ACCIDENTAL RELEASE MEASURES

**General Information:** Please use the personal protection equipment defined under Section 8.

**Clean-up Methods:** Spilled material is collected with dust holder materials or suitable vacuum cleaner. Collect the material in tight plastic containers and keep safely until it is disposed.

**Additional Precautions:** Refer to Section 7 for safe handling instructions. Refer to Section 8 for personal protections equipment. Refer to Section 13 for disposal.

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## 7. HANDLING AND STORAGE

**Handling:** Use the personal protective equipment stated in Section 8. Do not eat or drink while using. Prevent the contact with mouth, skin and eyes. Do not inhale. Wash your hands after using. Other security precautions are not required except of stated warnings during using the closed package. Use only in rooms, in which there is a locally aspirated device.

**Storage:** Store in the original container in dry, cool and well-ventilated places. Keep away from food, drink and animal feeds. Protect against direct sun light. Keep in the places where children cannot reach.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Product Name	Exposure Limits	Measurement Type
Propiconazole	10mg/m <sup>3</sup>	8 hours TWA
Difenoconazole	8mg/m <sup>3</sup>	8 hours TWA

**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

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should be washed. Any gloves that cannot be cleaned inside and outside should be disposed.

**Respiratory** : Use respiratory apparatus 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.

**Hygiene Measures:** Do not eat, drink or smoke while handling the product. Wash your hands each time before eating, drinking, smoking or going to the toilet

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Form</b>	: Liquid, clear
<b>Color</b>	: Yellow-brown
<b>Odour</b>	: Aromatic scent
<b>pH</b>	: 5,5 ±2 10% (20 <sup>0</sup> C)
<b>Density</b>	: 1,0± 0,05 g/cm <sup>3</sup> (20 <sup>0</sup> C)
<b>Flash Point</b>	: 50 <sup>0</sup> C (Closed container)

## 10. STABILITY AND REACTIVITY

**Conditions to be avoided:** Extreme temperatures and direct sun light.

**Materials to be avoided:** Stable under normal conditions.

**Hazardous degradation products** : Toxic and irritant gases are occurred after burning and thermal degradation.

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## 11. TOXICOLOGICAL INFORMATION

### Difenoconazole Technical Material:

**Oral** Acute oral LD<sub>50</sub> for rats 1453, mice >2000 mg/kg.

**Skin and eye** Acute percutaneous LD<sub>50</sub> for rabbits >2010 mg/kg. Non-irritant to eyes and skin (rabbits). Non-sensitising to skin (guinea pigs).

**Inhalation** LC<sub>50</sub> (4 h) for rats ≥3300 mg/m<sup>3</sup> air.

**Other** Not teratogenic or mutagenic.

### Propiconazole Technical Material:

**Oral** Acute oral LD<sub>50</sub> for rats 1517, mice 1490 mg/kg.

**Skin and eye** Acute percutaneous LD<sub>50</sub> for rats >4000, rabbits >6000 mg/kg. Non-irritating to skin and eyes (rabbits). Skin sensitiser (guinea pigs).

**Inhalation** LC<sub>50</sub> (4 h) for rats >5800 mg/m<sup>3</sup>

**Other** Not mutagenic, not teratogenic. No carcinogenic potential of relevance for human exposure.

## 12. ECOLOGICAL INFORMATION

### Difenoconazole Technical Material:

**Birds** Acute oral LD<sub>50</sub> (9–11 d) for mallard ducks >2150, Japanese quail >2000 mg/kg b.w. Dietary LC<sub>50</sub> (5 d) for bobwhite quail 4760, mallard ducks >5000 ppm.

**Fish** LC<sub>50</sub> (96 h) for rainbow trout 1.1, bluegill sunfish 1.3, sheepshead minnows 1.1 mg/l.

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**Daphnia** EC<sub>50</sub> (48 h) 0.77 mg/l.

**Algae** EC<sub>50</sub> (72 h) for *Scenedesmus subspicatus* 0.03 mg/l.

**Other aquatic spp.** LC<sub>50</sub> (96 h) for mysid shrimps 0.15 mg/l; EC<sub>50</sub> (96 h) for eastern oysters 0.45 mg/l; (14 d) for duckweed (*Lemna gibba*) 9.9 mg/l. NOEC (28 d) for development and emergence in the sediment dweller, *Chironomus riparius* ≥50 mg/kg sediment.

**Bees** Non-toxic to honeybees; LD<sub>50</sub> (oral) >187 µg/bee; LC<sub>50</sub> (contact) >100 µg/bee.

**Worms** LC<sub>50</sub> for earthworms >610 mg/kg dry soil.

## Propiconazole Technical Material:

**Birds** Acute oral LD<sub>50</sub> for Japanese quail 2223, bobwhite quail 2825, mallard ducks >2510, Pekin ducks >6000 mg/kg b.w. LC<sub>50</sub> (5 d) for Japanese quail >10 000, bobwhite quail >5620, mallard ducks >5620, Pekin ducks >10 000 mg/kg diet.

**Fish** LC<sub>50</sub> (96 h) for carp 6.8, rainbow trout 4.3, golden orfe 5.1, sprutte (*Leiostomus xanthurus*) 2.6 mg/l.

**Daphnia** EC<sub>50</sub> (48 h) 10.2 mg/l.

**Algae** EC<sub>50</sub> (3 d, 250 EC solo formulation) for *Pseudokirchneriella subcapitata* 2.05 mg/l.

**Other aquatic spp.** EC<sub>50</sub> (48 h) for eastern oysters (*Crassostrea virginica*) 1.7 mg/l; (96 h) for mysid shrimps (*Americamysis bahia*) 0.51 mg/l; (14 d) for duckweed (*Lemna gibba*) 5.3 mg/l.

**Bees** LD<sub>50</sub> (contact and oral) >100 µg/bee.

**Worms** LC<sub>50</sub> (14 d) for *Eisenia foetida* 686 mg/kg dry soil.

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## 13. DISPOSAL INFORMATION

**Product** : Do not dispose of the wastes with household wastes. Do not pour the remaining wastes to the sewage system. Dispose of them according to the Directive of Hazardous Waste Control.

**Contaminated Materials:** Do not use the empty packages for other products. Dispose the fully-discharged and shook packages in due form. Dispose of the non-cleaned packages as hazardous waste.

## 14. TRANSPORTATION INFORMATION

### ADR/RID/ADNR

**UN-No.** : 3082  
**Hazard Mark** : 9  
**Packing Group** : III



**Product type** : UN 3082 Environmental hazardous substance, liquid, N.O.S.  
(CONTAINS PROPICONAZOLE, DIFENCONAZOLEVE SOLVESSO 100)

### IMDG

**UN-No.** : 3082  
**Class** : 9  
**Packing Group** : III  
**Marine Pollutant** : Yes

**Product type** : UN 3082 Environmental hazardous substance, liquid, N.O.S.  
(CONTAINS PROPICONAZOLE, DIFENCONAZOLEVE SOLVESSO 100)



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## IATA

**UN-No.** : 3082

**Class** : 9

**Packing Group** : III

**Product type** : UN 3082 Environmental hazardous substance, liquid, N.O.S.  
(CONTAINS PROPICONAZOLE, DIFENCONAZOLEVE SOLVESSO 100)

## 15. REGULATORY INFORMATION

This data sheet is prepared based on regulation on preparation and distribution of safety data sheets about hazardous materials and preparations (O.G. issue no 27092 dated 26/12/2008).

### Hazard Marks and Symbols:



**Xn: Harmful**



**N: Dangerous For The Environment**

### Hazardous Materials Listed on the Label:

Includes Propiconazole, Difenoconazoleve Solvesso 100

### Risk Phrases:

#### Physicochemical:

R10 - Flammable.

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### Health:

R 20/21 - Harmful by inhalation and in contact with skin.

R38 - Irritating to skin.

R43 - May cause sensitization by skin contact.

### Environment:

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

### Safety Phrases:

S1/2 - Lock it up and keep out of the reach of children.

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

S 24 - Avoid contact with skin

S 29 - Do not empty into drains

S 35 - This material and its container must be disposed of in a safe way

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection

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

S 61 - Avoid release to 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.

## 16. OTHER INFORMATION

**N:** Dangerous For the Environment

**Xi:** Irritant

**Xn:** Harmful

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### All Risk Phrases under Section 2:

R10 - Flammable.

R 20/21 - Harmful by inhalation and in contact with skin.

R22 - Harmful if swallowed.

R38 - Irritating to skin.

R43 - May cause sensitization by skin contact.

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

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**Prepared By** : Remzican KARAN

This material safety data sheet is provided as a supplement to instructions of manufacturer; however it does not replace instructions of manufacturer. The information provided in this sheet only conforms to the regulatory criteria known at the time of the preparation of Safety Data Sheet. Required data are gathered in accord with "Regulation on Preparation and Distribution of Safety Data Sheets about Hazardous Materials and preparations (O.G. issue no 27092 dated 26/12/2008)". Concerned organizations and persons are invited to comply with the abovementioned regulation.