

# MATERIAL SAFETY DATA SHEET

**NAME OF MATERIAL/PREPARATION**

**PREMEX**

Date of Preparation	28/07/2015
Date of Issue	28/07/2015
MSDS No	FORM_MSDS_R&D_234_00
Renewal Date/No	

Page No: 1/12

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** : **PREMEX**  
**Product Content** : Chlorothalonil 450 g/L+ Carbendazim 100g/L  
**Formulation Form** : SC (Suspension Concentrates)

#### Chlorothalonil

**Cas No** :1897-45-6  
**EC No** : 217-588-1  
**FRAC** : M5, M multi-site: chloronitrile

#### Carbendazim

**Cas No** :10605-21-7  
**EC No** :234-232-0  
**FRAC** :1, B1 MBC: benzimidazole

### 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

# MATERIAL SAFETY DATA SHEET

<b>NAME OF MATERIAL/PREPARATION</b>	<b>PREMEX</b>
-------------------------------------	---------------

Date of Preparation	28/07/2015
Date of Issue	28/07/2015
MSDS No	FORM_MSDS_R&D_234_00
Renewal Date/No	

Page No: 2/12

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).

## 2. COMPOSITION AND INFORMATION ON INGREDIENTS

Material	g/L	CAS No	EINECS/ELINCS	Hazard	R <sup>1</sup>	Classification
Chlorothalonil	450	1897-45-6	217-588-1	Carc. Cat. 3; T+,Xi,N	R26,R37,R40,R41, R43, R50/53	T+;R26-37-40-41-43 N;R50/53
Carbendazim	100	10605-21-7	234-232-0	Muta.Cat 2; Repr. Cat2;N	R46, R50/53, R60, R61	T;R46-60-61 N:R51/53
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



**T+: Very Toxic**



**N: DANGEROUS FOR THE ENVIRONMENT**

R26 - Very toxic by inhalation.

R37 - Irritating to respiratory system.

R40 - Limited evidence of a carcinogenic effect.

R41 - Risk of serious damage to eyes.

R43 - May cause sensitization by skin contact.

R46 - May cause heritable genetic damage.

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

## MATERIAL SAFETY DATA SHEET

NAME OF MATERIAL/PREPARATION

PREMEX

Date of Preparation	28/07/2015
Date of Issue	28/07/2015
MSDS No	FORM_MSDS_R&D_234_00
Renewal Date/No	

Page No: 3/12

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).

R60 - May impair fertility.

R61 - May cause harm to the unborn child.

#### 4. FIRST AID MEASURES

**Eye Contact:** Wash eyes with plenty of water for 15 min. Consult an eye specialist. If there is any lens, take off after 5 min. Call a doctor.

**Skin contact:** Wash off with soap and water. Take of the contaminated clothes immediately and do not use before washing them.

**If inhaled:** Move patient to fresh and well-ventilated area, do not puke, call a doctor.

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

**Antidote and Required 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, glasses, gloves and clothes with long sleeved during the fire.

**Extinguishers:** Water jet, foam, carbon dioxide, fire extinguishing powder.

#### 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.

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NAME OF MATERIAL/PREPARATION

**PREMEX**

Date of Preparation	28/07/2015
Date of Issue	28/07/2015
MSDS No	FORM_MSDS_R&D_234_00
Renewal Date/No	

Page No: 4/12

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).

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

## 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

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

TLV( respirable vapor and aerosol): 0.05 mg/m<sup>3</sup>

### 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.

# MATERIAL SAFETY DATA SHEET

NAME OF MATERIAL/PREPARATION

**PREMEX**

Date of Preparation	28/07/2015
Date of Issue	28/07/2015
MSDS No	FORM_MSDS_R&D_234_00
Renewal Date/No	

Page No: 5/12

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).

**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

**Form** : Liquid  
**Color** : white-beige  
**Odour** : Characteristic  
**pH** : 5-8 10% (20°C)  
**Density** : 1,25 ± 0,05 g/cm<sup>3</sup> (20°C)  
**Viscosity** : 20 °C de 1000-5000 mps (Brokfield DV-I)

## 10. STABILITY AND REACTIVITY

**Stability** : Stable under normal use and storage conditions.  
**Conditions to Avoid** : High temperature, and extreme humidity  
**Materials to avoid** : Not known  
**Hazardous Decomposition Products:** Combustion or thermal decomposition may release toxic and irritating fumes as carbon oxides.

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NAME OF MATERIAL/PREPARATION

PREMEX

Date of Preparation	28/07/2015
Date of Issue	28/07/2015
MSDS No	FORM_MSDS_R&D_234_00
Renewal Date/No	

Page No: 6/12

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).

## 11. TOXICOLOGICAL INFORMATION

### Chlorothalonil Technical Material:

**Oral** Acute oral LD<sub>50</sub> for rats >5000 mg/kg.

**Skin and eye** Acute percutaneous LD<sub>50</sub> for albino rabbits and rats >5000 mg/kg. Severe eye irritant; mild skin irritant (rabbits). Evidence in humans of contact dermatitis with repeated exposure.

**Inhalation** LC<sub>50</sub> (1 h) for rats 0.52 mg/l air; (4 h) for rats 0.10 mg/l air.

### Carbendazim Technical Material:

**Oral** Acute oral LD<sub>50</sub> for rats 6400, dogs >2500 mg/kg.

**Skin and eye** Acute percutaneous LD<sub>50</sub> for rabbits >10 000, rats >2000 mg/kg. Non-irritating to skin and eyes (rabbits). Not a skin sensitiser (guinea pigs).

**Inhalation** LC<sub>50</sub> (4 h) for rats, rabbits, guinea pigs or cats, no effect with suspension (10 g/l water).

## ECOLOGICAL INFORMATION

### Chlorothalonil Technical Material:

**Birds** Acute oral LD<sub>50</sub> for bobwhite quail >2000 mg/kg b.w. Dietary LC<sub>50</sub> (5 d) for mallard ducks and bobwhite quail >10 000 mg/kg diet.

**Fish** Acute LC<sub>50</sub> (96 h, static) for rainbow trout 39, fathead minnow 23, bluegill sunfish 59 µg/l.

**Daphnia** EC<sub>50</sub> (48 h, static) 70 µg/l.

**Algae** EC<sub>50</sub> (120 h) for *Selenastrum capricornutum* 210 µg/l; EC<sub>50</sub> (72 h) for *Navicula pelliculosa* 5.1 µg/l.

## MATERIAL SAFETY DATA SHEET

NAME OF MATERIAL/PREPARATION

PREMEX

Date of Preparation	28/07/2015
Date of Issue	28/07/2015
MSDS No	FORM_MSDS_R&D_234_00
Renewal Date/No	

Page No: 7/12

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).

**Bees** LD<sub>50</sub> for honeybees (oral) >63 µg/bee; (contact) >101 µg/bee.

**Worms** LC<sub>50</sub> (14 d) for earthworms >404 mg/kg dry soil.

### Carbendazim Technical Material:

**Birds** Acute oral LD<sub>50</sub> for quail 5826–15 595 mg/kg.

**Fish** LC<sub>50</sub> (96 h) for carp 0.61, rainbow trout 0.83, bluegill sunfish >17.25, guppies >8 mg/l.

**Daphnia** LC<sub>50</sub> (48 h) 0.13–0.22 mg/l.

**Algae** EC<sub>50</sub> (72 h) for *Scenedesmus subspicatus* 419, *Selenastrum capricornutum* 1.3 mg/l.

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

**Worms** LC<sub>50</sub> (4 w) for *Eisenia foetida* 6 mg/kg soil.

## 12. 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.

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NAME OF MATERIAL/PREPARATION

**PREMEX**

Date of Preparation	28/07/2015
Date of Issue	28/07/2015
MSDS No	FORM_MSDS_R&D_234_00
Renewal Date/No	

Page No: 8/12

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).

## 13. 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 CHLOROTHALONIL VE CARBENDAZIM)



### IMDG

UN-No. : 3082

Class :9

Packing Group : III

Marine Pollutant : Yes

Product type : UN 3082 ENVIRONMENTAL HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS CHLOROTHALONIL VE CARBENDAZIM)

### IATA

UN-No. : 3082

Class : 9

Packing Group : III

Product type : UN 3082 ENVIRONMENTAL HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS CHLOROTHALONIL VE CARBENDAZIM)



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NAME OF MATERIAL/PREPARATION

**PREMEX**

Date of Preparation	28/07/2015
Date of Issue	28/07/2015
MSDS No	FORM_MSDS_R&D_234_00
Renewal Date/No	

Page No: 9/12

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).

## 14. 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:



**T+: Very Toxic**



**N: Dangerous For The Environment**

### Hazardous Materials Listed on the Label:

Includes Chlorothalonil ve carbendazim

### Risk Phrases:

#### Health:

- R26 - Very toxic by inhalation.
- R37 - Irritating to respiratory system.
- R40 - Limited evidence of a carcinogenic effect.
- R41 - Risk of serious damage to eyes.
- R43 - May cause sensitization by skin contact.
- R46 - May cause heritable genetic damage.
- R60 - May impair fertility.
- R61 - May cause harm to the unborn child.

### Environment:

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

## MATERIAL SAFETY DATA SHEET

NAME OF MATERIAL/PREPARATION

PREMEX

Date of Preparation	28/07/2015
Date of Issue	28/07/2015
MSDS No	FORM_MSDS_R&D_234_00
Renewal Date/No	

Page No: 10/12

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).

### Safety Phrases:

- S1/2 - Lock it up and keep out of the reach of children.
- S 4 - Keep away from living quarters
- S 13 - Keep away from food, drink and animal feeding stuffs
- S 20 - When using do not eat or drink
- S 24/25 - Avoid contact with skin and eyes.
- S 26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
- S28 - After contact with skin, wash immediately with plenty of ... (to be specified by the manufacturer)
- S 29/35 - Do not empty into drains; dispose of this material and its container in a safe way.
- S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection
- S45 - In case of accident or if you feel unwell seek medical advice immediately (show the label where possible)
- S 46 - If swallowed, seek medical advice immediately and show this container or label
- S 51 - Use only in well-ventilated areas
- S 53 - Avoid exposure – Obtain special instructions before use
- S56 - Dispose of this material and its container at hazardous or special waste collection point
- S 63 - In case of accident by inhalation: remove casualty to fresh air and keep at rest
- S 64 - If swallowed, rinse mouth with water (only if the person is conscious)

### Important Labeling:

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

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NAME OF MATERIAL/PREPARATION

**PREMEX**

Date of Preparation	28/07/2015
Date of Issue	28/07/2015
MSDS No	FORM_MSDS_R&D_234_00
Renewal Date/No	

Page No: 11/12

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).

### 15. OTHER INFORMATION

**T+:** Very Toxic

**T:** Toxic

**N:** Dangerous for the Environment

**Xi:** Irritant

#### All Risk Phrases under Section 2:

R26 - Very toxic by inhalation.

R37 - Irritating to respiratory system.

R40 - Limited evidence of a carcinogenic effect.

R41 - Risk of serious damage to eyes.

R43 - May cause sensitization by skin contact.

R46 - May cause heritable genetic damage.

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

R60 - May impair fertility.

R61 - May cause harm to the unborn child.

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**PREMEX**

Date of Preparation	28/07/2015
Date of Issue	28/07/2015
MSDS No	FORM_MSDS_R&D_234_00
Renewal Date/No	

Page No: 12/12

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).

**Date of Preparation** : 28/07//2015  
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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.