

PRODUCT SAFETY DATA SHEET

SUBSTANCE / PREPARATION NAME

BACKHAND

Date of preparation	10/11/2015
Release Date	10/11/2015
MSDS No	FORM_MSDS_R&D_267_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 : **BACKHAND**
Content : Pyraclostrobin 4% + Dithianon 12%
Formulation Type : WG (Water Dispersible Granules)

Pyraclostrobin

Cas No : 175013-18-0
EC No : -
FRAC : 11, C3 QoI; strobilurin type: methoxycarbamate

Dithianon:

Cas No : 3347-22-6
EC No : 222-098-6
FRAC : M9, M multi-site: quinone

1.2 Usage of Substance/Preparation

Fungicide

1.3 Firm Presentation of the Company:

Manufacturer and Licensee Company:

Company Name: AGRİ SCIENCES TARIM VE İLAÇÜR. SAN. TİC. LTD. ŞTİ.

Address : Bekir Saydam Caddesi No: 31 Pancar Torbalı / İZMİR

Telephone : +90 0232 864 13 33

Fax : +900232 864 16 79

1.4 Emergency Telephone:

Please call +90 0232 864 13 33 in an emergency.

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2. INFORMATION ABOUT THE CONTENT/COMPOSITION :

Substance	%	CAS No	EINECS/ELINCS	Hazard	R ¹	Classification
Pyraclostrobin	4	175013-18-0	-	T,N;	R23, R38, R50/53	Xn,N; R20,R51/53
Dithianon	12	3347-22-6	222-098-6	Xn,N;	R22, R50/53	N; R51-53
Others ²	-	-	-	-	-	-

- Descriptions about ¹R are given in chapter 16
- It's out of classification in that does not contain dangerous substances.

3. IDENTIFICATION OF HAZARDS:



Xn : Harmful



N: Dangerous for the Environment

R20 - Harmful by inhalation.

R 51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4.FIRST AID PRECAUTIONS:

SYMPTOMS OF POISONING: It may cause rash on eyes, skin and mucosa.

FIRST AID MEASURES: In case contact the skin, take off dirty clothes and wash exposed skin with plenty of soapy water. In case of swallowed, do not regurgitate, Rinse him mouth with clean water, call a doctor. If the patient is blackout, take the patient out for fresh air, call a doctor. In case contact of eye, wash with plenty of water for 10-15 minutes, see a doctor.

ANTIDOTE AND REQUIRED INFORMATION: No specific antidote is known.

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5. FIRE-FIGHTING MEASURES

Suitable extinguishing matters: Water spray, foam, dry extinguishing media, carbon dioxide

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

Required Personal Protective Equipment in Aid: If possible, use self contained breathing apparatus during fire.

Additional information: Do not breathe fumes of explosion and fire. In case of exposed to fire, keep containers cool by spraying with water. Collect contaminated extinguishing water separately from the product, do not allow to reach sewage or wastewater systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

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 feedstuffs. 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 allowable 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 works to reduce 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 : Granule
Color : Light brown to dark brown
Bulk Density : $1,0 \pm 0,5 \text{ g/cm}^3$
pH : 5 ± 2 (%1 solution)

10. STABILITY AND REACTION

Conditions to avoid : Extreme temperatures and direct sunlight.

Substances to avoid : Avoid from strong acids and bases.

Hazardous reactions : There are not hazardous reactions when stored and handled suitable. A hazardous polymerization product does not occur.

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11. TOXICOLOGICAL INFORMATION

Pyraclostrobin Technical Substance:

Acute Oral LD50 rat > 5000 mg / kg.

Skin and eye: Acute percutaneous LD50 rat > 2000 mg / kg. Rabbits are not irritating to the eyes, the skin may cause irritation.

Inhalation LC50 (4 h) rat 0.69 mg / l.

NOEL (2 y) rat 75 ppm (3 mg / kg b.w. daily)

Dithianon Technical Substance:

Oral Acute oral LD50 for rats 300, guinea pigs 115 mg/kg.

Skin and eye Acute percutaneous LD50 for rats >2000 mg/kg. No skin irritation; severe eye irritant.

Inhalation LC50 (4 h) for rats 0.33 mg/l air.

NOEL (2 y) for rats 20, dogs 40 mg/kg diet; for mice 2.8 mg/kg daily.

12. TOXICOLOGICAL INFORMATION

Pyraclostrobin Technical Substance:

Birds Acute oral LD50 quail (Bobwhite quail) > 2000 mg / kg.

Fish LC50 (96 hours) seal (rainbow trout) 0.006 mg / l.

Daphnia EC50 (48 hours) 0.016 mg / l.

Algae ErC50 (72 hours) *Pseudokirchneriella subcapitata* > 0843 mg / l; EbC50 (72 hours) *Pseudokirchneriella subcapitata* 0152 mg / l.

Bees LD50 (oral) > 73.1 mg / bee; (contact) > 100 mg / bee

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Dithianon Technical Substance:

Birds Acute oral LD50 for male quail 430, female quail 290 mg/kg.

Fish Toxic to fish; LC50 (96 h) for common carp 0.1 mg/l.

Daphnia LC50 (24 h) 2.4 mg/l.

Algae EC50 (96 h) 12 mg/l. B

ees Contact LD50 >0.1 mg/bee.

Worms LC50 (7 d) 588.4 mg/kg soil, (14 d) 578.4 mg/kg soil.

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, SOLID N.O.S. (WASTE FREE)(CONTAINING PYRACLOSTROBIN AND DITHIANON)



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IMDG

UN-No. : 3077
Danger Signal : 9
Packaging Group : III
Sea Pollutant : Yes
Property of the product : UN 3077 ENVIRONMENTAL HAZARDOUS SUBSTANCE, SOLID N.O.S. (WASTE FREE)(CONTAINING PYRACLOSTROBIN AND DITHIANON)

IATA

UN-No. : 3077
Class : 9
Packaging Group : III
Property of the product : UN 3077 ENVIRONMENTAL HAZARDOUS SUBSTANCE, SOLID N.O.S. (WASTE FREE)(CONTAINING PYRACLOSTROBIN AND DITHIANON)

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).

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Hazard Signal and Symbol:



Xn: Harmful N: Dangerous for the environment

Hazardous Substances Found On The Label:

Containing Pyraclostrobin and Dithianon.

Risk Phrases

Health:

R20 - Harmful by inhalation.

Environment:

R 51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases:

S1/ 2- Keep locked up and out of the reach of children

S 9 - Keep container in a well-ventilated place

S13 - Keep away from. Food, drink and animal feedstuffs

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.

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16. OTHER INFORMATIONS

T: TOXIC
N: DANGEROUS FOR THE ENVIRONMENT
Xn: HARMFUL

Risk phrases mentioned in Section 2:

R22:Harmful if swallowed.
R23:Toxic by inhalation.
R38:Irritating to skin.
R50: Very toxic for aquatic organisms.
R53: 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 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.

Hazırlanma Tarihi :10/11/2015

Yayın Tarihi :10/11/2015

Yenilenme Tarihi/No: -

MSDS No :FORM_MSDS_R&D_267_00

Hazırlayan :Remzican KARAN