

PRODUCT SAFETY DATA SHEET

SUBSTANCE / PREPARATION NAME	NESTOR
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Date of preparation	30/12/2011
Release Date	30/12/2011
MSDS No	FORM_MSDS_R&D_047_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 : **NESTOR 20SP**
Content : ACETAMIPRID %20
Formulation Type :SP
Acetamiprid
Cas No :135410-20-7
IRAC : 4A neonicotinoid

1.2 Usage of Substance/Preparation:

Insecticide

1.3 Firm 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 in an emergency.

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2. INFORMATION ABOUT THE CONTENT/COMPOSITION :

Substance	%	CAS No	Hazard	R ¹	Classification
Acetamiprid	20	135410-20-7	Xn; N	R22, R52, R53	N R52, R53
Others*	-				

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

3. IDENTIFICATION OF HAZARDS:



N: Dangerous for the environment

R52 : Harmful for aquatic organisms.

R53 : May cause long-term adverse effects in aquatic environments

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4. FIRST AID PRECAUTIONS:

General Information: The survivors are moved out of dangerous area. In case of danger of fainting during storage and transport securely deposited in the side. Soiled or soaked clothing immediately removed.

Skin contact: Wash off with soap and water.

Eye Contact: Wash eyes with plenty of water. Consult an eye specialist.

Ingestion: Call a doctor immediately.

Information for doctor: See Chapter 11 for information on toxicology.

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5. FIRE-FIGHTING MEASURES

Required Personal Protective Equipment in Aid: Do not breathe fumes of explosion and fire. If possible, use self contained breathing apparatus during fire.

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

Fire Extinguishers: Foam, water

Other Information: Remove the product from fire areas, cool containers with water. If possible, use sand or earth after fire fighting water.

6. ACCIDENTAL RELEASE PRECAUTIONS:

General Information: Use personal protection devices, specified in section 8.

Personal Alerts: Avoid contact with spilled product or contaminated areas. Do not eat, drink or smoke when dealing with spilled product.

The Cleaning Process: The product is collected with liquid retaining material (such as peat, sawdust, chemical binder. Substance collected into hard plastic containers and stored in a secure way until to destroy. Contaminated substances, cleaned according to environment and ground instructions. The product flowing to drains or sewers is blocked.If waste is mixed with water, it is reported to the authorities.

Additional Precautions: Look at section 7 for safe use. Look at section 8 for personal protective equipment. Look at section 13 for disposal.

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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.

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.

Hygiene Precautions: Do not eat, drink or smoke during usage. Wash your hands every time before going to the toilet, eating, drinking and smoking.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Solid, powder
Color : Blue
pH : 6,5-10,5 10% (20⁰C)
BulkDensity : 0,50-0,80 g/cm³
Solubility in water : Dissolves

10. STABILITY AND REACTION

Conditions to avoid : Extreme temperatures and direct sunlight.
Substances to avoid : It is possible to occur carbondisulfid and hydro sulfur with acids.
Dangerous decomposition products: CO, nitrogenoxides, hydrogenchloride, theorganiccompounds, such as aromaticcompounds.

11. TOXICOLOGICAL INFORMATION

Asetamiprid Technical Substance:

Acute Toxicity

Through the mouth (rat): LD₅₀: 1000-2000 mg / kg (female) 1065 (female)

Through the skin (rat) LD₅₀> 2000 mg / kg (female)

Inhalation (rat) LC₅₀:> 3.5 mg / L (4 h)

12. ECOLOGICAL INFORMATION

Acute toxicity to fish: LC₅₀ (Carp),> 100 mg / L (96hr)

Acute toxicity to algae: EC₅₀ (Green Algae),> 97.8 mg / L (72hr)

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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. TRANSPORTATION INFORMATION

ADR/RID/ADNR

UN-No. : 3077

Hazard Mark : 9

Packing Group : III

Product type : UN3077 DOES NOT INCLUDE DANGEROUS MATERIAL, SOLID, N.O.S (WASTES) TO ENVIRONMENT. (INCLUDES ACETAMIPRID)

IMDG

UN-No. : 3077

Class : 9

Packing Group : III

Marine Pollutant : Yes

Product Type : UN 3077 DOES NOT INCLUDE DANGEROUS MATERIAL, SOLID, N.O.S (WASTES) TO ENVIRONMENT. (INCLUDES ACETAMIPRID)



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IATA

UN-No. : 3077

Class : 9

Packing Group : III

Product Type : UN 3077 DOES NOT INCLUDE DANGEROUS MATERIAL, SOLID, N.O.S (WASTES) TO ENVIRONMENT. (INCLUDES ACETAMIPRID)

14. 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:



N: Dangerous for the environment

Hazardous Substances Found On The Label: Includes Acetamiprid

Risk Phrases

Physicochemical

Health:

Environment:

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R53 : May cause long-term adverse effects in aquatic environments.

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Safety Phrases:

- S1/2 : Keep locked up and out of the reach of children
- S29 : Do not empty into drains
- S36/37 : Wear suitable protective clothes and gloves.
- S46 : If swallowed, seek medical advice immediately and show this container or label.
- S56 : Dispose of this material and its container at hazardous or special waste collection point
- S60 : This material and its container must be disposed of as hazardous waste
- S61 : 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.

Additional Information:

Acetamiprid: WHO (a.i.) II

16. OTHER INFORMATIONS

- Xn** : Harmful
- N** : Dangerous for the environment

Risk phrases mentioned in Section 2:

- R22** : Harmful: If swallowed,
- R52** : Harmful for aquatic organisms.
- R53** : May cause long-term adverse effects in aquatic environments.

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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 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.