

MATERIAL SAFETY DATA SHEET

NAME OF MATERIAL/PREPARATION

TACKLE

Date of Preparation	14/03/2014
Date of Issue	14/03/2014
MSDS No	FORM_MSDS_R&D_124_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 : **TACKLE**
Product Content : THIACLOPRID 240 G/L
Formulation Form : OD
EC : -
CAS : 111988-49-9
IRAC : 4A neonicotinoid

1.2 Usage of the Material/Preparation:

Insecticide

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/Kg	CAS No	EINECS/ELINCS	Hazard	R ¹	Classification
THIACLOPRID	240	111988-49-9		Xn, N	R20/22 R40 R50/53	Xn R20/22 R40, N: R51/53
Others	Outside classification due to absence of hazardous material.					

- ¹ R explanations are under section 16.

3. HAZARD IDENTIFICATION



Xn: HARMFUL



N: DANGEROUS FOR THE ENVIRONMENT

R20/22: Harmful to health if inhaled and contact with skin

R40: Limited evidence for cancerogenic effect.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. FIRST AID MEASURES

Poisoning Symptoms: It may cause insensibility, spasm, difficulty in breathing, shivering and cramp.

First Aid Measures: Move the patient away from the contaminated area. In case of risk to faint, keep the patient in horizontal position. Take off the contaminated clothes. If the product is inhaled, take the patient to fresh air. In case contact with skin, wash with plenty of water and soap. In case contact with eye, rinse well. Do not induce vomiting if

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swallowed and wash the mouth with water. Apply a doctor immediately and take the package and label of the product with you.

Antidote and Necessary Information: There is no specific antidote. The treatment is applied according to the symptoms

5. FIRE FIGHTING MEASURES

Suitable Extinguishers: Use water spray, alcohol resistant foam, dry chemical or carbon dioxide.

Important protection equipment for fire-fighting: Do not inhale the vapors in case of fire/explosion. Use full mask with oxygen tube in case of fire.

Fire extinguishers not to be used due to safety

High volume water spray

Specific harms, which may occur during fire-fighting

Gases, which may occur during the fire:

Hydrogen Chloride (HCl)

Hydrogen cyanide

Carbon monoxide (CO)

Sulphur oxide

Other Information: Get the fire-fighting area under control to prevent the spreading. Prevent the extinguishing waters to contaminate the sewage systems and water pipes.

6. ACCIDENTAL RELEASE MEASURES

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

Personal Precautions: Do not touch spilled product or contaminated surfaces. Use personal protective equipment.

Clean-up Methods: Product is collected with liquid holder materials (such as sand, sawdust, chemical binders). Collect the material in tight plastic containers and keep

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safely until it is disposed. Contaminated materials and surfaces should be cleaned in compliance with environmental regulations.

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 suitable ventilation system.

Storage : Store in the original container. Keep the containers closed tightly in dry, cool and well-ventilated places. Store in the rooms, in which only authorized personnel enters. Store the bulk or packaged products in closed warehouse resistant to direct sun light and freezing. Keep away from food, drink and animal feeds. It is recommended to put into IBC of 1000 liter as bulk container before the HDPE filling.

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.

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Respiratory : 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.

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
pH : 5-9 (1 %) 20⁰C
Density : 1,04 g/cm³ (20⁰C)

10. STABILITY AND REACTIVITY

Conditions to be avoided : Extreme temperatures and direct sun light
Materials to be avoided : Store only in the original container.
Dangerous reaction : There is no reaction if stored and used according to the rules.

11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity
LD50 (rat) > 500 - < 1.000 mg/kg

Acute Inhalation Toxicity
LC50 (rat) > 0,846 mg/l
Exposure time: 4 h
Stable in the respirable aerosol form.

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The highest concentration available.

Acute Dermal Toxicity

LC50 (rat) > 0,846 mg/l

Exposure time: 4 h

Stable in the respirable aerosol form.

The highest concentration available.

12. ECOLOGICAL INFORMATION

Elimination information (durability and degradability)

Biodegradability is not suitable for this mixture. Bioaccumulation is not suitable for this mixture. Stability in soil is not suitable for this mixture.

Eco-toxicity

Toxicity class for fish LC50 32,8 mg/l

Exposure time: 96 h

Toxicity for freshwater invertebrates LC50 1,92 µg/l

Exposure time: 24 h

Toxicity for aquatic plant IC50 96,7 mg/l

Growth acceleration Exposure time: 72 h

Detailed information related to ecology

Additional information related to ecology

There is no other effect known.

13. DISPOSAL INFORMATION

Product : The product can be stored or disposed by referring the current instructions or the related authorities.

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Contaminated Materials : FILL FRESH WATER TO THE EMPTY CONTAINER OF THE USED PRODUCT UP TO THE ONE FOURTH LEVEL AND SHAKE WELL. POUR THE SHAKEN WATER TO THE DISINFECTION TANK. REPEAT THIS PROCESS THREE TIMES. DISPOSE OF THE PACKAGE AS DANGEROUS WASTE.

14. TRANSPORTATION INFORMATION

ADR/RID/ADNR/RID/ADNR

UN-No. : 3082

Hazard Mark : 9

Packing Group : III

Product type : UN 3082 MATERIAL HARMFUL FOR ENVIRONMENT, LIQUID N.O.S (INCLUDES THIACTOPRID)

IMDG

UN-No. : 3082

Class : 9

Packing Group : III

EMS :

Marine Pollutant : Yes

Product type : UN 3082 MATERIAL HARMFUL FOR ENVIRONMENT, LIQUID N.O.S (INCLUDES THIACTOPRID)

IATA

UN-No. : 3082

Class : 9

Packing Group : III

Product type : UN 3082 MATERIAL HARMFUL FOR ENVIRONMENT, LIQUID N.O.S (INCLUDES THIACTOPRID)

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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: Harmful for Environment

Hazardous Materials Listed on the Label

Includes Thiocloprid

Risk Phrases:

R20/22: Harmful to health if inhaled and contact with skin

R40: Limited evidence for cancerogenic effect.

R51/53: Too toxic for aquatic organisms and 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

S9 Store the container in a well-ventilated place.

S13 Keep away food, drink and feedstuff

S29 Do not pour to sewage system.

S35 This material and the container should be disposed in a safe way.

S37 Use suitable protective clothes, and gloves.

S46 Contact a doctor if swallowed, show the container or label

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Important Labeling:

Follow instructions to avoid personal and environmental risks

16. OTHER INFORMATION

Xn: Harmful

N: Dangerous for the environment

All Risk Phrases under Section 2:

R20/22: Harmful to health if inhaled and contact with skin

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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Prepared By : Zeynep ÇOBAN

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.