

MATERIAL SAFETY DATA SHEET

NAME OF MATERIAL/PREPARATION

MORENO

Date of Preparation	28/07/2015
Date of Issue	28/07/2015
MSDS No	FORM_MSDS_R&D_240_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 : **MORENO**
Product Content : **TEBUFENPYRAD % 20 WP**
Formulation Form : **WP (WETTABLE POWDER)**

TEBUFENPYRAD

Cas No : 119168-77-3
IRAC : 21A METI acaricide

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
Tebufenpyrad	20	119168-77-3	-	Xn; Xi; N	R20, R22, R43, R50/53	Xi; R43, N; R50/53
Others *	Out of classification due to the fact that it does not include hazardous material.					

- ¹R explanations are under section 16.

3. HAZARD IDENTIFICATION



Xi: Irritant



N: DANGEROUS FOR THE ENVIRONMENT

R43 - May cause sensitisation by skin contact.

R50 - Very toxic to aquatic organisms.

R53 - May cause long-term adverse effects in the aquatic environment.

4. FIRST AID MEASURES

Poisoning Symptoms: May cause rash.

First Aid Measures: In case of poisoning please stop working and contact with a doctor. In case of contact with skin or eyes, wash with plenty of water. In case contact with eye, wash with plenty of water minimum 10 minutes. In case inhale, remove the patient to fresh air. If swallowed, give medical coal with plenty of water. If swallowed large

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amount of concentrated medicine, call for medical assistance. Note: Do not give anything by mouth to unconscious patients.

Antidote and Essential Information: There is no specific antidote and treatment according to symptoms.

5. FIRE FIGHTING MEASURES

Personal Protective Equipment for Fire-fighting: Do not inhale the fumes occurred during the explosion and fire. If available, use self-contained respiratory device during the fire.

Dangers: Formation of hazardous gases during the fire must be considered as CO, NOx.

Extinguishers: Foam, carbon dioxide, fire extinguishing powder.

Other Information: Move the product away from the fire area and cool the containers with water. If possible, use sand or soil after fire extinguishing water

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. While handling with spilled product, do not eat, drink and smoke.

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 Measures: Look section 7 for safe use, section 8 for personal protective equipment. Look 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

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.

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.

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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 : Solid, powder
Color : Beige- Brown
Odour : Slightly Characteristic
pH : 7-11 %10(20⁰C)

10. STABILITY AND REACTIVITY

Conditions to be avoided: Extreme temperatures and direct sun light

Hazardous reactions : When stored and handled appropriately no hazardous reactions are observed.

Hazardous decomposition materials: When stored and handled appropriately no hazardous decomposition is observed.

11. TOXICOLOGICAL INFORMATION

Tebufenpyrad Technical Material:

Oral Acute oral LD50 for male rats 595, female rats 997, male mice 224, female mice 210 mg/kg.

Skin and eye Acute percutaneous LD50 for male and female rats >2000 mg/kg. Non-irritating to skin and eyes (rabbits). Sensitising to skin (guinea pigs).

Inhalation LC50 for male rats 2660, female rats >3090 mg/m3.

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12. ECOLOGICAL INFORMATION

Tebufenpyrad Technical Material:

Birds Acute oral LD₅₀ for bobwhite quail >2000 mg/kg. Dietary LC₅₀ (8 d) for mallard ducks and bobwhite quail >5000 mg/kg diet.

Fish LC₅₀ (96 h) for carp 0.018 mg/l. LC₅₀ (96 h, flow-through) for rainbow trout 0.030 mg/l.

Daphnia EC₅₀ (48 h) 0.046 mg/l.

Algae E_bC₅₀ (72 h) 0.54 mg/l.

Bees Low toxicity to honeybees.

Worms LC₅₀ (14 d) for *Eisenia foetida* 68 mg/kg.

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.

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14. TRANSPORTATION INFORMATION

ADR/RID/ADNR

UN-No. : 3077

Hazard Mark : 9

Packing Group : III

Product type : UN 3077 Environmental hazardous substance, solid, N.O.S.
(waste free) (CONTAINS TEBUFENPYRAD)



IMDG

UN-No. : 3077

Class : 9

Packing Group : III

Marine Pollutant : Yes

Product type : UN 3077 Environmental hazardous substance, solid, N.O.S.
(waste free) (CONTAINS TEBUFENPYRAD)

IATA

UN-No. : 3077

Class : 9

Packing Group : III

Product type : UN 3077 Environmental hazardous substance, solid, N.O.S.
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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:



Xi: Irritant



N: Dangerous For The Environment

Hazardous Materials Listed on the Label:

Contains Tebufenpyrad

Risk Phrases:

Physicochemical: -

Health:

R43 - May cause sensitisation by skin contact.

Environment

R50 - Very toxic to aquatic organisms.

R53 - May cause long-term adverse effects in the aquatic environment.

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Safety Phrases:

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

S 24 - Avoid contact with skin

S29 Do not empty into drains

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

S56 Dispose of this material and its container at hazardous or special waste collection point

Important Labeling:

Follow instructions to avoid personal and environmental risks

16. OTHER INFORMATION

N: Dangerous For The Environment

Xn: Harmful

Xi: Irritant

All Risk Phrases under Section 2:

R 20/22 - Harmful by inhalation and if swallowed.

R43 - May cause sensitisation by skin contact.

R50 - Very toxic to aquatic organisms.

R53 - 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.