

MATERIAL SAFETY DATA SHEET

NAME OF MATERIAL/PREPARATION

SCUD

Date of Preparation	21/09/2015
Date of Issue	21/09/2015
MSDS No	FORM_MSDS_R&D_260_00
Renewal Date/No	-

Sayfa No: 1/10

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. IDENTIFICATION OF THE MATERIAL AND COMPANY

1.1 Material/Preparation Identification:

Product Name : SCUD
Product Content : TRIFLUMIZOLE % 15+ CYFLUFENAMID %3,4
Formulation Type : Water Dispersed Granule (WG)

Triflumizole

CAS No : 99387-89-0
FRAC : 3, G1 SBI Class I, DMI: imidazole

Cyflufenamid

CAS No : 180409-60-3
FRAC : U6, U phenylacetamide

1.2 Usage of the Material/Preparation:

Fungicide

1.3 Company Identification:

Manufacturing and License Holding Company:

Company Name : AGRI SCIENCES TARIM VE İLAÇÜR. SAN. TİC. LTD. ŞTİ.
Address : Bekir Saydam Caddesi Pancar No: 31 Torbalı / İZMİR
Telephone : +90 0232 864 13 33
Fax : +900232 864 16 79

1.4. Emergency Contact Telephone:

In case of an emergency please call +90 0232 864 13 33 and/or National Poison Information Centre (UZEM) 114.

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2. COMPOSITION AND INFORMATION ON INGREDIENTS

Material	%	CAS No	EINECS/ELINCS	Hazard	R ¹	Classification
Triflumizole	15	99387-89-0	-	Xn; Xi; N	R22, R43, R50/53	Xi; R43, N; R50/53
Cyflufenamid	3.4	180409-60-3	-	N	R50/53	N; R50/53
Others	Not classified in that it does not contain hazardous chemicals.					

- ¹ R explanations are under section 16.

3. HAZARDS IDENTIFICATION



Xi: Irritant



N: Dangerous for the Environment

R43 : May cause sensitization by skin contact.

R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

The product 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).

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4. FIRST AID MEASURES

Poisoning Symptoms: Irritant to eyes. May cause slight irritation on skin.

First Aid Measures: Take the following first aid measures at poisoning. Call medical advice and show the package and label.

Contact to Eyes: Wash the eyes at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If you feel not good call a Poisoning Centre or a medical advice.

Contact to Skin: Take off contaminated clothes and shoes. Wash the skin with soap and water. If the irritations keeping call a medical advice.

In case of Respiration: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If the patient feels not good call a Poisoning Centre or a medical advice.

In case of Swallowed: Gargle and call a medical advice.

Antidote and Necessary Information: Treatment should be done according to the symptoms.

5. FIRE FIGHTING MEASURES

Personal protection equipment for fire-fighting: Do not breathe gases which evolve during explosion and fire. If possible use air independent respirator during fire.

Dangers: Gases which is occurring during the fire carbon monoxide (CO), Nitrogen Oxides (NOx) and phosphor oxides should be considered.

Extinguishers: Foam, CO₂ and fire-extinguishing powder.

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

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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. Do not eat, drink or smoke while handling spilled product.

Spill Clean-up Procedure: Collect the product with a liquid retaining material (e.g. sand, sawdust, chemical binders). Place the product into tight plastic containers and keep 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 : Please use the personal protection equipment specified under Section 8. Do not eat or drink while handling the product. Avoid contact with the mouth, the skin or the eyes. Do not inhale the product. After handling the product thoroughly you're your hands. When handling closed containers no additional safety precautions other than the specified ones are needed. Only handle the product in rooms with a local suction device.

Storage : Please store the product in its original container, in a cool, dry and well-ventilated place. Keep away from food, drink and animal feed items. Protect from exposure to direct sunlight. Protect against freezing. Keep the product away from the reach of children. Storage temperature 30⁰C

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

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

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Personal Protection Equipment:

Eye Protection: Use eye protection equipment compliant with EN 166.

Skin Protection: 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 Protection: 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.

Good Hygiene Conditions: Do not eat, drink or smoke while handling the product. Make sure to wash your hands each time before eating, drinking, smoking or going to the toilet.

9. FİZİKSEL VE KİMYASAL ÖZELLİKLER

Appearance	: Solid, granule
Color	: Beige- brown
Odor	: Characteristic
pH	: 7-11 %10 (20 ⁰ C)
Solubility	: Dispersible

10. STABILITY AND REACTIVITY

Conditions to be avoided : Avoid direct sunlight. Isolate from sources of heat, naked flames or sparks.

Dangerous Reactions: There is no dangerous reaction in appropriate storage and usage.

Dangerous Degradation Products: There is no dangerous degradation products in appropriate storage and usage.

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11. TOXICOLOGICAL INFORMATION

Triflumizole Technical Material:

Acute Oral LD₅₀ rat (m) 715, rat (f) 695 mg/kg.

Skin and Eye Acute percutaneous LD₅₀ rat >5000 mg/kg.

Respiration LC₅₀ (4 h) rat >3.2 mg/l air

Cyflufenamid Teknik Maddesi:

Acute Oral LD₅₀ rat >5000 mg/kg.

Skin and Eye Acute percutaneous LD₅₀ rat >2000 mg/kg.

Respiration LC₅₀ (4 h) rat >4.76 mg/l

12. ECOLOGICAL INFORMATION

Triflumizole Teknik Maddesi:

Bird Acute Oral LD₅₀ Japanese quail (m) 2467, Japanese quail (f) 4308 mg/kg.

Fish LC₅₀ (96 h) carp 0.869 mg/l

Algae E_rC₅₀ (72 saat) 1.29 mg/l.

Bee LD₅₀ honey bee 0.14 mg/b

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Cyflufenamid Technical Material:

Bird Acute Oral LD₅₀ bobwhite quail >2000 mg/kg.

Fish LC₅₀ (96 h) carp >1.14 ppm.

Algea E_bC₅₀ ve E_rC₅₀ (72 saat) *Selenastrum capricornutum* >0.828 ppm.

Bee LD₅₀ (oral) >100 µg/bee.

13. DISPOSAL CONSIDERATIONS

Waste Disposal: Do not dispose product waste together with household wastes. Waste residue should not be spilled into wastewater canals. Any product wastes should be disposed of in compliance with Hazardous Wastes Control Regulations.

Contaminated Materials: Empty containers should not be used for other products. Completely emptied and rinsed containers should be disposed in compliance with regulations. Non-clearable containers should be disposed of as hazardous materials.

14. TRANSPORT INFORMATION

ADR/RID/ADNR

UN-No. : 3077

Class : 9

Packing Group : III

Product Type : UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (NOT INCLUDING WASTE) (TRIFLUMIZOLE AND CYFLUFENAMID MIXING)

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IMDG

UN-No. : 3077

Class : 9

Packing Group : III

Product Type : UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (NOT INCLUDING WASTE) (TRIFLUMIZOLE AND CYFLUFENAMID MIXING)

Marine Pollutant : Yes

IATA

UN-No. : 3077

Class : 9

Packing Group : III

Product Type : UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (NOT INCLUDING WASTE) (TRIFLUMIZOLE AND CYFLUFENAMID MIXING)

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

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Hazardous Materials Listed on the Label

Contains Triflumizole and Cyflufenamid.

Risk Statement

Physicochemical:-

Health:

R43: May cause sensitization by skin contact.

Environment:

R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Statements

S1/2: Keep locked and out of the reach of children

S24: Avoid from contact with skin.

S29: Do not empty into drains

S36/37/39: Wear suitable clothes, protective gloves and protective glass/mask.

S46: Call a doctor immediately if swallowed and show the container or label.

S56: Dispose of this material and container in collection places for dangerous or special wastes.

Important Labelling:

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Follow instructions to avoid personal and environmental risks.

16. OTHER INFORMATION

Xi : Irritant
Xn : Harmful
N : Dangerous for the Environment

All Risk Phrases Mentioned in Section 2:

R22 : Harmful if swallowed.

R43: May cause sensitivity in case of contact with skin.

R50/53: Too toxic for aquatic organisms, may cause adverse effects longtime in aquatic environment

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Prepared By : Sinem TOKSABAY

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 includes criteria of regulatory when preparing Safety Data Sheet. Required data are prepared 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 institutions and people are invited to comply with the mentioned regulation.