

MATERIAL SAFETY DATA SHEET

NAME OF MATERIAL/PREPARATION

KENCOVE

Date of Preparation	20/11/2012
Date of Issue	20/11/2012
MSDS No	FORM_MSDS_R&D_086_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 : **KENCOVE**
Product Content : EPOXICONAZOLE+CARBENDAZIM 125+125 G/L
Formulation Form : SC (Suspension Concentrate)

EPOXICONAZOLE

Cas No : 133855-98-8
EC No : 406-850-2
FRAC Class : 3, G1 SBI CLASS I, DMI: triazole

CARBENDAZIM

Cas No : 10605-21-7
EC No : 234-232-0
FRAC Class : 1, B1 MBC: benzimidazole

1.2 Usage of the Material/Preparation:

Fungicide

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	%	CAS No	EINECS/ELINCS	Hazard	R ¹	Classification
Epoxiconazole	125	133855-98-8	406-850-2	Xn; N	R40, R62, R63, R51/53	Xn; R40, R62, R63, N; R50/53
Carbendazim	125	10605-21-7	234-232-0	T, N	R46, R60-61, R50/53	T; R46, R60, R61, N; R50/53
Others*	Outside classification due to absence of hazardous material.					

- R explanations are under section 16.

3. HAZARD IDENTIFICATION:



T: TOXIC

N: DANGEROUS FOR THE ENVIRONMENT

R40 : Limited evidence for carcinogenic effect

R46 : It may cause genetic harms

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

R60 : It may decrease fertility

R61 : It may damage unborn children.

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4. FIRST AID MEASURES:

First Aid Measures: If contaminated body, take off the contaminated clothes; wash the contaminated parts of body with plenty of water and soap. If swallowed the pesticide, wash the mouth with plenty of water and drink much water. In case of poisoning, call a doctor and show the label of the pesticide.

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

5. FIRE FIGHTING MEASURES

Extinguishers: Pressed water, CO₂, fire extinguishing powder, foam, sand. Intervene the fire outbreak as soon as possible without causing a danger. Wear protective mask.

In well-ventilated areas: Face mask with combined filters (It does not protect against carbon monoxide)

In closed areas: Isolation device. (Respiratory from an independent and environment fastness air source). Prevent the fire protection water to be spread.

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.

Clean-up Methods: The poured material is collected with a liquid catcher material (for instance; sucking sand, sawdust, chemical binder). 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.

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7. HANDLING AND STORAGE

Handling : Please use the personal protection equipment specified under 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 local sucking device.

Storage : Keep in original package in cool, dry and well ventilated places. Keep away from food and animal feed items. Keep away from direct sunlight. Keep against freezing. Keep it in places that children cannot reach. Storage temperature 0-40 °C

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 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.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Form	: Liquid, viscose
Color	: White-Beige
Odor	: Light
Density	: $1,07 \pm 0,05 \text{ g/cm}^3$ (20 ⁰ C)
pH	: 5-9 %10 (20 ⁰ C)

10. STABILITY AND REACTIVITY

Conditions to be avoided	: Extreme degrees and direct sun light
Materials to be avoided	: None
Dangerous reaction	: There is no dangerous reaction in appropriate storage and usage. It is resistant in mentioned storage conditions. Consider formation of nitrogen oxides and carbon.

11. TOXICOLOGICAL INFORMATION

Epoxiconazole Technical Material:

Acute oral LD₅₀ rat >5000 mg/kg

Eye and skin Acute percutaneous LD₅₀ rat >2000 mg/kg It is not irritant to eyes and skin on rabbits.

Inhalation LC₅₀ (4hour) rat >5,3 mg/L air

Carbendazim Technical Material:

Acute oral LD₅₀ rat 6000, dog >5000 mg/kg.

Eye and skin Acute percutaneous LD₅₀ rabbit >10000, rat >2000 mg/kg It is not irritant to eyes and skin on rabbits.

Inhalation LC₅₀ (4hour) There is no suspension effect on rat, rabbit, pig or cats. (10 g/L water)

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12. ECOLOGICAL INFORMATION

Epoxiconazole Technical Material:

Birds Acute Oral LD₅₀ quail >2000 mg/kg. LC₅₀ quail 5000 mg/kg.

Fish LC₅₀ (96 hours) trout 2,2-4,6, bluegill sunfish 4.6-6.8 mg/kg

Algae EC₅₀ (72 days) green algae 2.3 mg/l

Bee LD₅₀ > 100 µg /bee

Carbendazim Technical Material:

Birds Acute Oral LD₅₀ quail 5826-15 595 mg/kg.

Fish LC₅₀ (96 hours) carp 0.61, rainbow trout 0.83, bluegill sunfish > 17.25, guppies >8 mg/l

Algae EC₅₀ (72 days) *Scenedesmus subspicatus* 419, *Selenasrum capricornutum* 1.3 mg/l

Bee LD₅₀ (temas) > 100 µg /bee

13. DISPOSAL INFORMATION

Product : Do not dispose it 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.

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14. TRANSPORTATION INFORMATION

ADR/RID/ADNR

UN-No. : 3082

Hazard Mark : 9

Packing Group : III

Product type : UN 3082 Hazardous for Environment, Liquid, N.O.S. (Includes Epoxiconazole and Carbendazim)



IMDG

UN-No. : 3082

Class : 9

Packing Group : III

EMS :

Marine Pollutant : Yes

Product Type : UN 3082 Hazardous for Environment, Liquid, N.O.S. (Includes Epoxiconazole and Carbendazim)

IATA

UN-No. : 3077

Class : 9

Packing Group : III

Product Type : UN 3082 Hazardous for Environment, Liquid, N.O.S. (Includes Epoxiconazole and Carbendazim)

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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:



T: TOXIC

N: DANGEROUS FOR THE ENVIRONMENT

Hazardous Materials Listed on the Label

Includes Epoxiconazole and Carbendazim

Risk Phrases:

Physicochemical: -

Health :

R40 : Limited evidence for carcinogenic effect

R46 : It may cause genetic harms

R60 : It may decrease fertility

R61 : It may damage unborn children.

Environment :

R50/53 : Too toxic to aquatic organisms, 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.
S13 : Keep away from food, drink and feedstuff.
S28 : Wash with plenty of water in case of contact with skin.
S29 : Do not pour to sewage system.
S35 : Dispose of this material and its container safely.
S36/37/39 : Use appropriate protective clothes, gloves, glass/mask.
S45 : Apply a doctor immediately in case of accident or if you don't feel well (if possible, show the label.)
S46 : Contact a doctor if swallowed, show the container or label.
S53 : Avoid from exposure. Apply Special Usage Instructions before using.
S56 : Dispose this material and its container in dangerous and special waste collecting places.

Important Labeling:

Follow instructions to avoid personal and environmental risks.

16. OTHER INFORMATION

All Danger Marks and Meanings under Section 2:

Xn: Harmful

T: Toxic

N: Dangerous for the environment

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All Risk Phrases under Section 2:

It is not subjected to the scope of "Regulation on Preparation and Distribution of Safety Data Sheets about Hazardous Materials and preparations (O.G. issue no 27092 dated 26/12/2008)

R40 : Limited evidence for carcinogenic effect

R46 : It may cause genetic harms

R60 : It may decrease fertility

R61 : It may damage unborn children.

R62 : Possible risk on decreasing fertility

R63 : Possible risk of harm on unborn children.

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

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Prepared By : Secil CANAYAKIN

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.