

FUNGAZIL 100 SL**C0080-C0046-UK**

Xi : Irritant

1. Identification of the product and the company

Name : **FUNGAZIL 100 SL.**

Chemical description active ingredient(s) : Imazalil sulphate : (+/-)-1-[2-(2,4-dichlorophenyl)-2-(2-propenyloxy)ethyl]-1H-imidazole sulfate (IUPAC)

Chemical formula : C₁₄ H₁₆ Cl₂ N₂ O₅ S

Chemical family : Imidazoles

GCPF code : SL (Soluble concentrate)

Company identification : CERTIS UK

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Boscombe Down
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United Kingdom
Telephone 1980 676500
Fax 1980 626555
E-mail: certis@certiseurope.co.uk

Use : Agriculture (Fungicide)

Anti-poison center - Tel. : For advice on medical emergencies, fires, spillages or chemical hazards ONLY - phone 0870 190 6777.
For further advice for medical professionals - The National Poisons Information Service: Tel: 0870 600 6266 (UK only) or Dublin Tel: 00353 1379 964/379966.
For further advice for veterinary surgeons: 020 7635 919.
Certis Carechem24 multilingual 24 hours emergency number : +44 (0) 870 190 6777

Print date : 2 / 8 / 2010

2. Hazards identification

Physical/chemical hazards : The data available does not support any physical or chemical hazard.

Human health hazards : Risk of serious damage to eyes.

Environmental hazard : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. Information on ingredients

This product is considered to be hazardous and contains hazardous components.

Substance/preparation : Preparation

Other information : See chapter 16 for full text of R phrases

Substance name	Value(s)	CAS nr	EINECS nr	EC index	CERTIFICATE
Imazalil sulphate	12.5 %	58594-72-2	261-351-5	613-043-00-0	Xn: R22 R43 N; R50-53

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3. Information on ingredients (continued)

Substance name	Value(s)	CAS nr	EINECS nr	EC index	CERTIFICATE
Sodium hydroxide 50% solution	< 5 %	1310-73-2	215-185-5	011-002-00-6	- C; R35
Adjuvant	< 5 %	77-92-9	201-069-1	-	----- Xi; R37/38-41
Adjuvant	< 5 %	90093-37-1	-	-	----- Xi; R36

4. First aid measures

Inhalation	: Specific effects and/or symptoms have not been reported.
Ingestion	: Specific effects and/or symptoms have not been reported.
Skin contact	: May be irritating.
Eye contact	: Risk of serious damage to eyes.
First-aid measures	
First aid general	: In the event of any complaints or symptoms, avoid further exposure. Treat symptomatically. If you feel unwell seek medical advice (show the label where possible).
- Inhalation	: Remove victim to fresh air. Allow the victim to rest. Seek medical attention. If victim is not breathing, give artificial respiration.
- Ingestion	: Wash out mouth with plenty of water. Drink plenty of water. DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious person. Seek medical attention.
- Skin contact	: Remove contaminated clothing and shoes. Wash skin thoroughly with water and soap. Wash clothing before re-using.
- Eye contact	: Rinse immediately with plenty of water. After 1 - 2 initial minutes remove contact lenses if present. Rinse again with plenty of water. Continue to rinse with the eyelid wide open for at least 10 minutes. Seek medical attention.
Protection of first aiders	: Avoid exposure. Wear suitable protective clothing, gloves and respiratory protection.
Note to physician	: No specific antidote known. Treat symptomatically.

5. Fire - fighting measures

Extinguishing media	: Dry chemical powder. Carbon dioxide. Sand. Foam. Water spray.
Special procedures	: Exercise caution when fighting any chemical fire. Do not discharge extinguishing waters into the environment.
Protection of fire fighters	: Wear suitable protective clothing and gloves. Use breathing apparatus.

6. Accidental release measures

Personal precautions	: Contact an expert immediately. Provide adequate ventilation. Wear suitable protective clothing, gloves, eye/face protection and respiratory protection. See also section 8.
Environmental precautions	: Do not dump into sewers, on the ground or into any body of water. Prevent dispersion. Collect spilled material. In the event of major spillage: contact an expert immediately. Notify the authorities if product enters sewers or public waters. Make provisions to collect extinguishing water after fires.
Methods for cleaning up	: Collect spills and put it into appropriated container. Absorb remainder in sand or inert material. Remove as chemical waste, according to national or local legislation. See also chapter 13.

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After spillage and/or leakage : Clean up any spills as soon as possible, using an absorbent material to collect it. Use suitable disposal containers.

7. Handling and storage

Handling : Handle in accordance with good industrial hygiene and safety procedures. When using, do not eat, drink or smoke. For personal protection see chapter 8.

Storage : Keep out of reach of children. Keep away from food, drink and animal feeding stuffs. Keep containers tightly closed.

8. Exposure controls / personal protection

Engineering measures : No special measures required.

Hygiene measures : When using, do not eat, drink or smoke. Wash hands and face with soap and water before the break. Shower after work. Wear clean working clothes every day.

Personal protection

- **Respiratory protection** : No special protection equipment is required under normal conditions of use. In the event of possible exposure: gas mask.
- **Skin protection** : Tightly closed working clothes.
- **Hand protection** : Impervious gloves.
- **Eye protection** : Chemical goggles or face shield.
- **Ingestion** : When using, do not eat, drink or smoke.
- **Others** : Facilities storing or utilizing this material should be equipped with an eyewash facility and safety shower.

9. Physical and chemical properties

Appearance : Clear liquid.

Colour : Slightly yellow

Odour : Sweet.

pH value : 3.9 (undiluted)

pH value in distilled water : 4.2 (Aqueous solution 1 %)

Density [kg/mE3] : 1067 @ 20°C

Self-ignition [°C] : > 400

Flash point [°C] : Not applicable.

Melting point [°C] : Not applicable.

Boiling point [°C] : No data available.

Vapour pressure : No data available.

Surface tension : No data available.

Viscosity : 2.1 cSt @ 20°C

Other physical properties : No explosive properties.

10. Stability and reactivity

Stability : Stable under normal circumstances.

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- Hazardous decomposition products** : None under normal conditions.
Burning may produce e.g. : Chlorine compounds. Nitrogen oxides. Sulfur oxides.
Carbon monoxide Hydrocarbons.
- Hazardous reactions** : Will not occur.
- Materials to avoid** : Aluminium, Copper, Steel.
- Hazardous polymerization** : Will not occur.

11. Toxicological information

- Rat oral LD50 [mg/kg]** : > 3500
- Dermal (rat) LD50 [mg/kg]** : > 2000
- Rat inhalation LC50 [mg/l/4h]** : > 4.78
- Eye irritation** : Risk of serious damage to eyes.
- Skin irritation** : May be irritating.
- Sensitization** : No sensitization.

12. Ecological information

- On product** : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- LC50-96H-Rainbow trout mg/l** : 10.3 - 27.1
- IC50-72H-Algae [mg/l]** : 14.13
- EC50-48H-Daphnia Magna mg/l** : 31.36
- Absorption / desorption** : No data available.
- Persistence and degradability** : No data available.
- Bioaccumulative potential** : No data available.

13. Disposal considerations

- Waste-disposal procedures** : Prevent dispersion. Sweep or shovel spills. Cover spilled material with sand or an other inert material. Collect spilled material in sealable containers. Remove waste product to a suitable incinerator. According to national or local legislation. Clean the polluted area with water. Avoid release to the environment.
- Waste of residues** : Keep waste separate. Remove as chemical waste, according to national or local legislation.
- Contaminated packaging** : Keep waste packaging separate. Remove as chemical waste, according to national or local legislation.

14. Transport information

Free for transport regulations.

15. Regulatory information

EU Regulations
EU Classification
67/548-1999/45-2003/82

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FUNGAZIL 100 SL**C0080-C0046-UK****15. Regulatory information (continued)**

Hazard symbol(s)	: Xi Irritant
Warning phrases	
R Phrase(s)	: R41 : Risk of serious damage to eyes. R52/53 : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Safety phrases	
S Phrase(s)	: S2 : Keep out of the reach of children. S13 : Keep away from food, drink and animal feedingstuffs. S20/21 : When using, do not eat, drink or smoke. S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S29 : Do not empty into drains. S35 : This material and its container must be disposed of in a safe way. S39 : Wear eye/face protection. S61 : Avoid release to the environment. Refer to special instructions/Safety data sheets. SP1 : Do not contaminate water with the product or its container. Do not clean application equipment near surface water / Avoid contamination via drains. from farmyards and roads.
Symbol(s)	: Irritant.

16. Other information

Certis code	: WA
Explanation of R-phrases used in section 3	: R22 : Harmful if swallowed. R35 : Causes severe burns. R36 : Irritating to eyes. R37 : Irritating to respiratory system. R38 : Irritating to skin. R41 : Risk of serious damage to eyes. R43 : May cause sensitization by skin contact. R50 : Very toxic to aquatic organisms. R53 : May cause long-term adverse effects in the aquatic environment.
Sources of key data used	: - Classification Database ECB - The Pesticide Manual, 12th ed (ISBN 1 901396 12 6) - Material Safety Data Sheets of the producer. - Certis Europe Expert Team (CEET)
Further information	: Revision - See : *
Trade name(s)	: FUNGAZIL 100 SL

The contents and format of this MSDS are in accordance with EC Commission Directive 93/112/EEC, 99/45/EC, 2001/58/EC and Reach Regulation 1907/2006.

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