

**SAFETY DATA SHEET****GIMIC 50 SC**

Revision date: 31.01.2013

1. COMPOSITION AND PRODUCT IDENTIFICATION

Commercial name:	Gimic 50 SC
Active ingredient:	Uniconazole
Chemical name:	(E)-(RS)-1-(4-chlorophenyl)-4,4-dimethyl-2-(1H-1,2,4-triazol-1-yl)-pent-1-en-3-ol
Chemical family:	Triazole herbicide
Producer:	Hallmark Chemicals bv Wilhelminakade 91, 3072 AP Rotterdam, The Netherlands Tel: +44 20 8995 8391 Fax: +44 20 8995 7639 Email: info@hallmarkchem.com

2. HAZARDS IDENTIFICATION

R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Ingestion:	May cause irritation to the gastrointestinal lining.
Inhalation:	May cause irritation with prolonged use.
Skin contact:	May cause irritation with prolonged use.
Eye contact:	May cause irritation with prolonged use.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS N°	% w/v	Symbol	Risk phrases
Uniconazole	83657-22-1	5	N	R51/53
1,2 ethandiol	107-21-1	10	Xn	R22
Other ingredients	-	85	-	Not hazardous

For explanation of R phrases see Sections 2, 15 and 16



4. FIRST AID MEASURES

- If swallowed:** Wash out mouth with water, do not induce vomiting, administer 2 glasses of water to drink. Seek medical advice.
- On skin contact:** Remove contaminated clothing and wash thoroughly with soap and water. Launder clothing before re-use. Seek medical attention if irritation persists.
- On eye contact:** Wash eyes with copious amount of water holding the eyelids open for at least 15mins. Seek medical attention.
- If inhaled:** Remove patient to fresh air. If symptoms develop seek medical attention.

5. FIRE FIGHTING MEASURES

- Suitable extinguishing media:** Water spray, CO₂, or dry chemical, do not use water jets- may cause spread of fire.
- Hazards from combustion products:** May emit toxic and harmful fumes under fire conditions: e.g CO_x, NO_x, SO_x, HCl
- Precautions for fire fighters:** Wear self contained breathing apparatus. Dyke area to prevent spill from entering drains, sewers or waterways. Dispose of run off as hazardous material.

6. ACCIDENTAL RELEASE MEASURES

- General precautions:** Use PPE as described in section 8. Stop the source of the spill if it is safe to do so. Contain the spill to prevent contamination of the soil, surface water or ground water. Keep uninformed persons away from spill site.
- Small spills:** Use an inert absorbent material such as soil, dry sand or vermiculite to the spill area. Sweep up material and contain in a suitable container. Ensure the container is sealed and well-labelled.
- Large spills:** Place leaking containers into salvage drums. Apply inert absorbent such as soil, dry sand or vermiculite to the spill area. Dyke around the spill in front of drains and waterways to prevent contamination of local water sources.
- Disposal:** Contaminated material must be disposed of in accordance with local and regional regulations.

7. HANDLING AND STORAGE

- Safe handling:** Do not store near flame, sparks or hot surfaces. Use in a well ventilated area. Ensure that containers are closed when



not in use. Keep out of reach from children, unauthorised persons and animals. Wash face, hands and arms after use. Do not eat drink or smoke when handling this product.

Conditions for safe storage: Do not store for prolonged periods in direct sunlight. Store at ambient temperatures.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering control: Natural ventilation should be adequate under normal conditions of use. Avoid generating or inhaling mists.

Personal protective measures

Respiratory protection: Use only in well-ventilated areas.

Hand protection: Wear chemical gloves.

Eye protection: Avoid contact with eyes. The use of protective eye wear is recommended.

Skin and body protection: Avoid contact with skin and clothing. It is recommended to wear gloves, hat long sleeved shirt, long pants and chemical resistant boots.

Hygiene measures: Do not eat, drink or smoke while handling the product. Wash hands and face thoroughly after handling. Wash clothes and protective gear before re-use.

Flammability: Not a combustible material.

9. PHYSICAL / CHEMICAL PROPERTIES

Form: Liquid

Colour: White

Boiling point: 100°C (Water)

Vapour pressure: 5.3 mPa @ 20°C (technical)

Partition coefficient K_{ow} : Log P = 3.67 (25°C)

Solubility in water (at 25°C): Dispersible

10. STABILITY AND REACTIVITY

Product shelf life: 2 years. Good stability under normal storage conditions.

Conditions to avoid: Direct sunlight, keep away from heat sources, flames and sparks.

Incompatible materials: Strong acids, strong bases, strong oxidising agents.

Hazardous polymerisation: Does not occur



11. TOXICOLOGICAL INFORMATION

Acute oral toxicity LD₅₀ (rat):	>2000 mg/kg (GHS category 5)
Acute dermal toxicity LD₅₀ (rat):	>2000 mg/kg (GHS category 5)
Sensitisation:	Not a skin sensitiser
Eye Irritation:	Non-irritant
Skin Irritation:	Non-irritant
Long-term toxicity:	NOAEL for rats 8 mg/kg per day Not carcinogenic, teratogenic or genotoxic.
WHO Toxicity classification:	III, slightly hazardous

12. ENVIRONMENTAL INFORMATION

(Technical material)

Fish toxicity:	LC ₅₀ 96 h rainbow trout	14.8 mg/L
	LC ₅₀ 96 h carp	7.64 mg/L
Daphnia toxicity:	EC ₅₀ 48 h <i>Daphnia magna</i>	>10 mg/L
Birds:	Acute oral LD ₅₀ Bobwhite quail:	1461 mg/kg
	Acute oral LD ₅₀ Mallard duck:	>2315 mg/kg
Toxicity to bees:	Acute toxicity > 20 µg/bee	

13. DISPOSAL CONSIDERATIONS

Product:	Take to suitable disposal plant, or certified handler, according to local waste disposal regulations.
Empty containers:	Triple wash with water to avoid any hazards. Do not reuse.

14. TRANSPORTATION INFORMATION

Not classified as dangerous goods for transport.

15. REGULATORY INFORMATION

Safety phrases:

S2	Keep out of the reach of children
S36/37	Wear suitable protective clothing and gloves
S57	Use appropriate containment to avoid environmental contamination
S60	This material and its container must be disposed of as hazardous waste
S61	Avoid release to the environment. Refer to special instructions/Safety data sheets

16. OTHER INFORMATION



Additional relevant risk phrases:

These risk phrases are for hazardous components in the product but are not at levels that require risk statements. They provide additional information on risks.

R-phrases:	R22	Harmful if swallowed
	R51/52	Toxic to aquatic organisms; may cause long-term adverse effects in the aquatic environment

No liability is accepted for any injury, loss, damage or cost arising directly or indirectly from the use of the product or from the use of information contained within the safety data sheet since the customer's treatment of the product is necessarily beyond our control. The supplied data are based on current knowledge and experience. This safety data sheet is intended to describe our product in terms of safety requirements. The customer should determine by appropriate trials that the product is suitable for his intended use.

Reason for revision: update to sections 1,11 and 13