

Safety Data Sheet (SDS) UniQ

According to UN GHS 8th Ed

Revision Date: 16/08/2022

First print date: 01/06/2018

Version: 1.1

SECTION 1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY/UNDERTAKING
Product identifier:
Identification as on the label/Trade name: UniQ
Common Name: Uniconazole 50 g/ℓ SC
Relevant identification uses of the substance and uses advised against:
Identified uses: Herbicide

Uses advised against: Use only as directed.

Details of the supplier of the Safety Data Sheet:

 Enviro Bio-Chem (Pty) Ltd, 44 Kerk Street,
Lichtenburg, North West, South Africa, 2740

Details of the Registration Holder:

 RT Chemicals CC, 44 Kerk Street,
Lichtenburg, North West, South Africa, 2740

Contact Details:

Telephone: +27 87 231 7261

Fax: 086 541 7948

Website: www.envirobiochem.co.za

Emergency telephone numbers:
24 Hour Emergency Number: Bateleur: +27 83 123 3911

Griffon Poison Information Centre: +27 82 446 8946

Poisons Information Helpline: 0861 555 777

Tygerberg Hospital: +27 21 931 6129

SECTION 2. HAZARD IDENTIFICATION
Classification of the substances or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Label elements

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Other hazards:

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS
Substance/Mixture: Mixture
Ingredients:

Substance name (IUPAC)	CAS Number.	Concentration % by weight	Classification EC1272/2008
Uniconazole 94% Tech	83657-22-1	5.2%	Acute toxicity (Category 4) H302
Diethylene glycol	111-46-6	< 10%	Acute toxicity (Category 4) H302
Polyoxyethylene fatty alcohol	68891-38-3	< 3%	Skin irritation (Category 2) H315 Eye damage (Category 1) H318 Aquatic chronic (Category 3) H412

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There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section. Occupational exposure limits, if available, are listed in Section 8.

SECTION 4. FIRST AID MEASURES

Description of first aid measures:

In case of inhalation: Move to fresh air. Treat symptomatically and supportively as and when required. Seek medical attention if required.

In case of skin contact: In case of contact, wash off immediately with soap and plenty of water. Take off contaminated clothing and wash before reuse. Get medical attention if irritation develops and persists.

In case of eye contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Consult a physician.

In case of ingestion: : Contact a physician or Poison Control Center before inducing vomiting. If swallowed, drink 1-2 glasses of water or milk and induce vomiting if instructed to do so by physician. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt, or waistband. Consult a physician.

Most important symptoms and effects, both acute and delayed:

Anticipated acute effects: None known.

Anticipated delayed effects: None known.

Most important symptoms / effects: None known

Indication of any immediate medical attention and special treatment needed:

Treat symptomatically and supportively.

SECTION 5. FIRE FIGHTING MEASURES

Extinguisher media:

Suitable extinguisher media: Foam. Dry powder. Carbon dioxide. Water spray.

Small Fire: Extinguish small fires with carbon dioxide, dry powder, or alcohol-resistant foam.

Large Fire: Water spray can be used for larger fires or cooling of unaffected stock but avoid the accumulation of polluted run-off from the site.

Unsuitable extinguishing media: Do not use high volume water jet, due to contamination risk.

Special hazards arising from the mixture:

Fire Hazard: Flammable liquid and vapour.

Hazardous decomposition products in case of fire: Refer to Section 10: Stability and Reactivity.

Advice for fire-fighters:

Remove spectators from surrounding area. Isolate the fire area. Remain upwind of fire. Avoid inhaling vapours and fumes. Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

Use an approved/certified respirator or equivalent. Water can be used to cool unaffected containers.

Contain fire control agents for later disposal according to Section 13.

SECTION 6. ACCIDENTAL RELEASE

Personal precautions, protective equipment, and emergency procedures:

Personal precautions: Do not breathe in spray mist or dust. Avoid contact with skin and eyes.

Protective equipment: Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear. Use an approved/certified respirator or equivalent. Refer to section 8 for recommended personal protective equipment.

Emergency procedures: Alert emergency personnel. Evacuate spectators, animals and unprotected personnel.

Environmental precautions:

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Stop leak if without risk. Prevent entry into drains, watercourses, or confined areas; dike if needed.

If the product contaminates public water, inform appropriate authorities immediately in accordance with local regulations.

Dispose in a safe manner in accordance with local/national regulations.

Methods for containment and cleaning up:

For small spills :

Contain spilled material if possible. Cover spill with materials such as: lime, damp sand, vermiculite, or diatomaceous earth. Collect in suitable container and label with contents for disposal.

For large spills : Prevent entry into drains, watercourses, or confined areas.

Contain and collect spillage with a suitable, damp absorbent material e.g. sand, earth, vermiculite or diatomaceous earth.

Do not create a powder cloud by using a brush or compressed air.

Sweep up and collect in a suitable container and label with contents for disposal according to local regulations.

Do not place spilled material back in original container. Do not re-use spill material.

To decontaminate the spill area, tools and equipment, wash with water and suitable detergent.

Reference to other sections:

See section 1 for information on emergency contact details

See section 7 for information on safe handling.

See section 8 for information on personal protection equipment.

See section 13 for information on disposal.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling:

Avoid contact with skin and eyes. Do not handle broken packages without protective equipment. Immediately clean up spills that occur during handling. Keep containers closed when not in use.

Protective measures: Observe directions on label and instructions for use.

Advice on general occupational hygiene: Practice good hygiene when using this material. Wash hands before eating, drinking, chewing gum, smoking, using the toilet or applying cosmetics. Worker should shower at the end of each workday. Wash all clothing before it is re-used.

Conditions for safe storage:

Store in the original container in a cool, dry, ventilated, locked place out of direct sunlight and out of the reach of children and animals. Store away from food, feed, drink, and tobacco products. Store where streams and underground water cannot be accidentally contaminated. Store away from incompatible products. Keep the container closed when not in use.

Incompatible substances and mixtures: Refer to product label.

Specific end uses: Use as directed. Use original container.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Permissible concentration: No data available

Occupational Exposure Limits: No data available

Exposure control:

Appropriate engineering controls: It is essential to provide adequate ventilation. Provide local exhaust ventilation or other suitable engineering controls to maintain airborne concentrations below OELs or other specified exposure limits. Ensure that eye wash stations and safety showers are proximal to the work-station location. Comply with occupational safety, environmental, fire and other applicable regulations.

Hygiene measures: Wash hands, forearms, and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to

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remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal Protective Equipment:

Eye/face protection: Avoid contact with eyes. The use of safety glasses with side shields (or goggles) are recommended

Hand protection: Use chemical resistant gloves. Examples of preferred glove barrier materials include Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, Polyvinyl alcohol, Polyvinyl chloride.

Body protection: Full body covering, shoes and socks. Appropriate impervious clothing is required to prevent skin contact with the product.

Respiratory protection: Avoid inhaling fumes or spray drift. An approved respirator suitable for protection from mists of pesticides is adequate. Limitations of respirator use specified by the approving agency and the manufacturer must be observed.

Environmental exposure controls: Prevent product from entry into sewers and water courses

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Liquid
Colour	White to Grey
Odour	No data available
Odour threshold	No data available
pH	6 - 8
Melting point / freezing point (°C)	153 – 154.5
Boiling point (°C)	Decomposes without boiling.
Flash point (°C)	Non flammable
Evaporation rate	No data available
Flammability	Non-flammable.
Upper /lower flammability limits	No data available
Vapour pressure 20°C	4.7 x 10 ⁻⁵ mmHg at 20 °C
Vapour density	No data available
Relative density (25°C)	1.04 g/ml
Water solubility (g/l) at 20°C	Miscible with water.
Partition coefficient : n-octanol/water	No data available
Auto-ignition temperature (°C)	No data available
Decomposition temperature (°C)	No data available
Viscosity, dynamic (mPa s)	No data available
Oxidising properties	No data available
Explosive limits	No data available
Corrosive Properties	None

SECTION 10. STABILITY AND REACTIVITY

Reactivity: No data available.

Chemical stability: Stable for up to 2 years under normal warehouse and field conditions.

Possibility of hazardous reactions: No information available.

Conditions to avoid: Do not store at temperatures below 0 °C.

Incompatible materials: Store away from strong oxidising agents. Store separate from and prevent contact with alkalis and acids.

Hazardous decomposition products: None known

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SECTION 11. TOXICOLOGICAL INFORMATION
Toxicokinetics, metabolism and distribution: No data available

Information on toxicological effects:
Assessment of acute toxicity:

The product has not been tested. The data reported is for the main ingredients in the mixture.

Uniconazole 94% Tech CAS No. 83657-22-1	
Acute toxicity:	
Acute Oral LD50 (rat)	1790 mg/kg
Acute Dermal LD50 (rat):	>2000 mg/kg
Acute Inhalation LC50 - 4 h (rat)	>2.7 mg/l
Skin irritation/ corrosion (rabbits)	Not a skin irritant
Eye damage / irritation (rabbits)	Minimal eye irritation
Respiratory or skin sensitization (Guinea pig)	No data available
Germ cell mutagenicity	Non- mutagenic in Ames test
Carcinogenicity	No data available
Reproductive toxicity	No data available
Specific Target Organ Toxicity STOT single exposure	No data available
Specific Target Organ Toxicity STOT repeated exposure	No data available
Aspiration hazard	No data available

Additional information:

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12. ECOLOGICAL INFORMATION

Uniconazole 94% Tech CAS No. 83657-22-1	
Toxicity	
Aquatic Toxicity Fish LC ₅₀ (96 hr)	14.8 mg/l Rainbow trout; 7.64mg/l carp
Aquatic Toxicity Daphnia EC ₅₀ (48 hr)	No data available
Toxicity to algae – static test E _r C ₅₀ (5d hr)	No data available
Toxicity to bacteria static test EC ₅₀ (0.5h)	No data available
Persistence and degradability	
Biodegradability	No data available
Bioaccumulation potential	
No data available	
Mobility in Soil	
No data available	
Result of PBT and vPvB assessment	
No data available	
Other adverse effects	
Toxic to aquatic life	

Sodium Lauryl Ether Sulfate CAS No. 68891-38-3	
Toxicity	
Aquatic Toxicity Fish LC ₅₀ (96 hr)	7.1 mg/l ide
Aquatic Toxicity Daphnia EC ₅₀ (48 hr)	7.4 mg/l
Toxicity to algae EC ₅₀ (72 hr)	27.7 mg/l
Toxicity to bacteria EC ₅₀ (16hr)	10 g/l
Persistence and degradability	
Biodegradability	No data available
Bioaccumulation potential	
No data available	
Mobility in Soil	
No data available	

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Result of PBT and vPvB assessment	No data available
Other adverse effects	Toxic to aquatic life

Diethylene Glycol CAS No. 111-46-6	
Toxicity	
Aquatic Toxicity Fish Flow through LC ₅₀ (96 hr)	75200 mg/l Pimephales promelas (<i>fathead minnow</i>)
Aquatic Toxicity Daphnia LC ₅₀ (24 hr)	10000 mg/l Daphnia magna (Water flea)
Toxicity to algae – static test EC ₅₀ (96h)	>13000 mg/l
Toxicity to bacteria static test EC20 activated sludge (30 minutes) ISO 8192	>1995 mg/l >84 µg/bee.
Persistence and degradability	
Biodegradability-aerobic 10 days	No data available
Bioaccumulation potential	
No data available	
Mobility in Soil	
No data available	
Result of PBT and vPvB assessment	
No data available	
Other adverse effects	
No data available	

SECTION 13. DISPOSAL CONSIDERATIONS
Waste treatment methods:
Product:

Keep out of drains, sewers, ditches, and waterways. Refer to container label for disposal information. Treat as hazardous waste and dispose of in accordance with local/ regional/ national/ international regulations.

Container:

Refer to container label for disposal information. Triple or pressure rinse empty containers. Pour rinse water into spray tank. Dispose of as hazardous waste. Do not contaminate water when disposing of rinse water. Dispose of using an approved waste disposal service provider. Follow all local/ regional/ national/ international regulations.

SECTION 14. TRANSPORT INFORMATION

UN Number	Not regulated
UN proper shipping name	Not regulated
Transport hazard class	Not regulated
Packaging group	Not regulated
Marine pollutant	Not applicable

SECTION 15. REGULATORY INFORMATION
Safety, health, and environmental regulations/legislation for the mixture:

Relevant information regarding authorization: Occupational Health and Safety Act 1993. Regulation for Hazardous Chemical Agents, 2021. UN Recommendations on the Transport of Dangerous Goods Model Regulations Rev. 21 (2019), Globally Harmonized System of Classification and Labelling of Chemicals (GHS) Rev 8, 2019.

Relevant information regarding restrictions:

EU regulations: Regulation EC 1272/2008 [EU-GHS/CLP]

Other National regulations:

National Road Traffic Act, 1996 (ACT NO. 93 of 1996).

SANS 10228:2012- The identification and classification of dangerous goods for transport by road and rail modes.

National Environmental Management Waste Act 59 of 2008.

Act 36 of 1947 of the Republic of South Africa. This product is registered under it is a violation of South African

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law to use this product in any manner inconsistent with its approved labelling. Read and follow all label directions

Chemical Safety Assessment carried out? No

SECTION 16. OTHER INFORMATION

Indication of changes:

Classification according to SANS 10234:2019, Regulation EC 1272/2008 [EU-GHS/CLP]

GHS aligned – all sections

Relevant H statements (number and full text):

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Training instructions:

Use as indicated on the label, special training may be required for application.

Further information:

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

The information on this sheet is not a specification; it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage, and use of the product. It is not applicable to unusual or non-standard uses of the product, nor where instructions or recommendations are not followed.