



Tenazole 250 EW

Safety Data Sheet

according to the GHS Classification and labelling of chemicals – SANS 10234 and the Regulations for Hazardous agents 2021.

Issue date: 23/05/2023 Date of revision: 23/05/2026 Version: 2.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Name : Tenazole 250 EW
Trade name : Tenazole 250 EW
Product code : UPL_L8558

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Industrial/Professional use spec : For Industrial, agricultural and professional use only
Use of the substance/mixture : A systemic fungicide emulsion oil, in water, for the control of the diseases mentioned on the crops listed.
Use of the substance/mixture : Insecticide

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

UPL South Africa (Pty) Ltd.
Sunbury Office Park (off Douglas Saunders Drive) La Lucia Ridge, 7
P.O. Box 1726, Mount Edgecombe, 4300
4019 Durban – South Africa
South Africa
T +27 31 514 5600
www.upl-ltd.com/za

1.4. Emergency telephone number

Emergency number : Griffon Poison Information Centre: 082 4468946,
Poisons Information Helpline: 0861 555 777,
In case of Spillage: Spill Tech: 086 100 0366 / 083 253 6618

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to UN GHS Purple Book (Rev. 9, 2021)

Acute toxicity (oral), Category 5	H303
Skin corrosion/irritation, Category 1B	H314
Serious eye damage/eye irritation, Category 2	H319
Reproductive toxicity, Category 2	H361
Carcinogenicity, Category 2	H351
Aspiration hazard, Category 1	H304
Hazardous to the aquatic environment — Acute Hazard, Category 1	H400
Hazardous to the aquatic environment — Chronic Hazard, Category 1	H410

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to UN GHS Classification (Purple Book, Rev.9, 2021)labelling

Hazard pictograms



GHS05

GHS07

GHS08

GHS09

Signal word : Danger

Hazardous ingredients : Tebuconazole; Solvesso 100; Tensiofix EW 70; Tensiofix EW 70; Agsolex 8; Propylene glycol

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Hazard statements

: H303- May be harmful if swallowed.
H314 - Causes severe skin burns and eye damage.
H319 - Causes serious eye irritation.
H361 - Suspected of damaging fertility or the unborn child.
H351 - Suspected of causing cancer.
H304 - May be fatal if swallowed and enters airways.
H400 - Very toxic to aquatic life.
H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements

: P101 – If medical advice is needed, have product container or label at hand.
P102 – Keep out of reach of children
P103 – Read carefully and follow all instructions.
P203 - Obtain, read and follow all safety instructions before use.
P260 – Do not breath dust/fume/gas/mist/vapours/spray.
P264+P265 - Wash hands, forearms and face thoroughly after handling. Do not touch eyes.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P316 - IF SWALLOWED: Get emergency medical help immediately.
P301 + P330 + P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302 + P361 + P354 - IF ON SKIN: Take off immediately all contaminated clothing. Immediately rinse with water for several minutes.
P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305 + P354 + P338 - IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P316 - Get emergency medical help immediately.
P318 - IF exposed or concerned, get medical advice.
P321 - Specific treatment (see supplemental first aid instruction on this label).
P331 - Do NOT induce vomiting.
P337 + P317 - If eye irritation persists: Get medical help.
P363 - Wash contaminated clothing before reuse.
P391 - Collect spillage.
P405 - Store locked up.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to UN GHS Purple Book, Rev.9, 2021.
Tebuconazole	(CAS-No.) 107534-96-3 (EC-No.) 403-640-2	25 - 50	Repr. 2, H361 Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=10)
N-(n-octyl)-2-pyrrolidinone	(CAS-No.) 2687-94-7	25 - 50	Acute Tox. 5 (Oral), H303 Acute Tox. 5 (Dermal), H313 Skin Corr. 1B, H314 Aquatic Chronic 2, H411
Solvent naphtha (petroleum), light aromatic	(CAS-No.) 64742-95-6	5 - 15	Flam liq. 3, H226 Acute Tox. 5 (Oral), H303 Acute Tox. 5 (Dermal), H313 Skin irrit. 3, H316 STOT SE 3, H335 Asp. 1, H304 Carc 2, H351 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
Propylene glycol	(CAS-No.) 57-55-6	2.5 - 10	Acute Tox. 5 (Dermal), H313

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general

: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

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First-aid measures after inhalation	: Allow affected person to breathe fresh air. Allow the victim to rest.
First-aid measures after skin contact	: Wash with plenty of water/.... Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention. Specific treatment (see supplemental first aid instruction on this label).
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after skin contact	: Causes severe skin burns
Symptoms/effects after eye contact	: Causes serious eye damage.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures	: Evacuate unnecessary personnel.
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6.1.2. For emergency responders

Protective equipment	: Equip cleanup crew with proper protection.
Emergency procedures	: Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.
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6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.
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Hygiene measures	: Wash hands, forearms and face thoroughly after handling.
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7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use.
Incompatible products	: Strong bases. Strong acids.
Incompatible materials	: Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Personal protective equipment:

Avoid all unnecessary exposure.

Hand protection:

Wear protective gloves.

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Eye protection:

Chemical goggles or safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

Wear appropriate mask

Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Clear yellow
Odour	: Aromatic
Odour threshold	: No data available
pH	: 5 – 8 (@1% dilution)
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 172°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Non flammable.
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10 : Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Not established.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

SECTION 11 : Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: May be harmful if swallowe
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

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LD50 oral rat	2917.15 mg/kg
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Tebuconazole (107534-96-3)

LD50 oral rat	1700 mg/kg
LD50 dermal rat	> 5000 mg/kg
LC50 inhalation rat	> 5.1 mg/l/4h

N-(n-octyl)-2-pyrrolidinone (2687-94-7)

LD50 oral rat	2050 mg/kg
LD50 dermal rat	> 2000 mg/kg

Solvent naphtha (petroleum), light aromatic (64742-95-6)

LD50 oral rat	3592 mg/kg
LD50 dermal rat	>3160 mg/kg
LC50 inhalation rat	> 6.193 mg/l/4h

Propylene glycol (57-55-6)

LD50 dermal rat	>2000 mg/kg
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Skin corrosion/irritation	: Causes severe skin burns and eye damage. pH: 5 - 8
Serious eye damage/irritation	: Causes serious eye irritation. pH: 5 - 8
Respiratory or skin sensitisation	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Germ cell mutagenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Carcinogenicity	: Suspected of causing cancer.
Reproductive toxicity	: Suspected of damaging fertility or the unborn child.
STOT-single exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met
STOT-repeated exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Aspiration hazard	: May be fatal if swallowed and enters airways.
Potential adverse human health effects and symptoms	: May be harmful if swallowed.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - water	: Very toxic to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute)	: Very toxic to aquatic life.
Hazardous to the aquatic environment, long-term (chronic)	: Very toxic to aquatic life with long lasting effects.

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ATE calculated fish	5,1 mg/l
ATE calculated daphnia	3,2 mg/l
ATE calculated algae	4,4 mg/l

Tebuconazole (107534-96-3)

LC50 fish	4.4 mg/l
EC50 Daphnia	2.79 mg/l

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ErC50 (algae)	3.8 mg/l (72h Pseudokirchneriella subcapitata)
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Propylene glycol (57-55-6)

LC50 fish	40.613 mg/l
EC50 Daphnia	18.34 mg/l
ErC50 (algae)	19 mg/l

12.2. Persistence and degradability

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Persistence and degradability	May cause long-term adverse effects in the environment.
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Tebuconazole (107534-96-3)

Persistence and degradability	Not readily biodegradable.
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12.3. Bioaccumulative potential

Tebuconazole (107534-96-3)

Log Pow	3.7 (pH 7, 20°C)
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12.4. Mobility in soil

Tebuconazole (107534-96-3)

Surface tension	64.26 mN/m (20 °C, 28.8 mg/L)
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12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Additional information : Avoid release to the environment.

SECTION 13: Disposal considerations




13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA
14.1. UN number		
UN 1760	UN 1760	UN 1760
14.2. UN proper shipping name		
CORROSIVE LIQUID, N.O.S	CORROSIVE LIQUID, N.O.S	CORROSIVE LIQUID, N.O.S
Transport document description		
UN 1760 CORROSIVE LIQUID, N.O.S., 8, III	UN 1760 CORROSIVE LIQUID, N.O.S., 8, III	UN 1760 CORROSIVE LIQUID, N.O.S., 8, III
14.3. Transport hazard class(es)		
8	8	8
		
14.4. Packing group		
III	III	III

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14.5. Environmental hazards

Dangerous for the environment : Yes	Dangerous for the environment : Yes Marine pollutant : Yes	Dangerous for the environment : Yes
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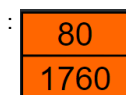
No supplementary information available

14.6. Special precautions for user

Overland transport

Hazard identification number (Kemler No.) : 80

Orange plates



14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulatory Information:

Relevant regulatory information regarding authorization, Safety Data Sheets, Occupational Exposure Limits, Hazardous Substances, Dangerous Goods Transport and Waste South Africa: Occupational Health and Safety Act 1993. Regulations for Hazardous Chemical Agents - 2021. Fertilizer, Farm Feeds, Agricultural Remedies and Stock Remedies Act, 1947 (Act 36 of 1947). Hazardous Substances Act, 1973 (Act No.15 of 1973). Regulations for Hazardous Chemical Agents – 2021. SANS11014:2010. Safety Data Sheet for Chemical Products – Content and Order of Sections. SANS10206: 2020. The Handling, Storage and Disposal of Pesticides. 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 .

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Data sources : ECHA, Pesticide manual, Supplier SDS

Other information : None.

Full text of H- statements:	
Acute Tox. 5 (Oral)	Acute toxicity (oral), Category 5
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Repr. 2	Reproductive toxicity, Category 2
Carc. 2	Carcinogenicity, Category 2
Asp. 1	Aspiration hazard, Category 1
Skin Corr 1	Skin corrosion/irritation, Category 1
H303	May be harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H319	Causes serious eye irritation.
H351	Suspected of causing cancer.
H361	Suspected of damaging the unborn child.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Classification and procedure used to derive the classification for the mixture according to the UN GHS Purple Book (Rev.9, 2021):

Acute Tox. 5 (Oral)	H303	Calculation method
Aquatic Acute 1	H400	Calculation method
Aquatic Chronic 1	H410	Calculation method

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Eye Irrit. 2	H319	Calculation method
Repr. 2	H361	Calculation method
Carc. 2	H351	Calculation method
Asp. 1	H304	Calculation method
Skin Corr 1	H314	Calculation method

Safety Data Sheet (SDS), UN GHS

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.