

SECTION 1: Identification

1.1. Product identifier

Product form	: Mixture
Trade name	: Curfew 250 EW (tebuconazole 250 g/l)
Type of product	: Fungicide
CAS-No.	: 107534-96-3
Product group	: End product

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

Use of the substance/mixture	: A systemic fungicide emulsion oil, in water, for the control of the diseases mentioned on the crop as listed.
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1.3. Supplier's details

Supplier

Farm-Ag International (Pty) Ltd
Old Mill Industrial Park
61, Marshall Drive
P.O. Box 1523
4300 Mount Edgecombe – Durban KwaZulu Natal
South Africa
T 031 003 3486

1.4. Emergency telephone number

Emergency number	: 24 Hr Emergency Number: In case of Poisoning: Poison Information Helpline : 0861 555 777
	In case of Spillage: HAZMAT:0800 147 112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to the United Nations GHS

Flammable liquids	Not classified	
Acute toxicity (oral), Category 5		H303
Acute toxicity (dermal), Category 5		H313
Skin corrosion/irritation, Category 2		H315
Serious eye damage/eye irritation, Category 2A		H319
Reproductive toxicity, Category 2		H361
Specific target organ toxicity – Repeated exposure, Category 2		H373
Hazardous to the aquatic environment – Acute Hazard, Category 2		H401
Hazardous to the aquatic environment – Chronic Hazard, Category 2		H411
Full text of H-statements: see section 16		

2.2. Label elements

Labelling according to the United Nations GHS

Hazard pictograms (GHS ZA)	:	
Signal word (GHS-ZA)	:	Warning

Curfew 250 EW (tebuconazole 250 g/l)

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Hazardous ingredients	: Tebuconazole 96.2% TC, 1-octyl-2-pyrrolidone, 1,2 propanediol, Solvent Naphtha
Hazard statements (GHS ZA)	: H303 - May be harmful if swallowed H313 - May be harmful in contact with skin H315 - Causes skin irritation. H319 - Causes serious eye irritation. H361 - Suspected of damaging fertility or the unborn child. H373 - May cause damage to organs through prolonged or repeated exposure. H411 - Toxic to aquatic life with long lasting effects.
Precautionary statements (GHS ZA)	: P101 - If medical advice is needed, have product container or label at hand. P102 - Keep out of reach of children. P103 - Read label before use. P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P260 - Do not breathe vapours, spray. P264 - Wash hands, forearms and face thoroughly after handling. P273 - Avoid release to the environment. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P302+P352 - IF ON SKIN: Wash with plenty of soap and water. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308+P313 - IF exposed or concerned: Get medical advice/attention. P312 - Call a POISON CENTER or doctor if you feel unwell. P314 - Get medical advice/attention if you feel unwell. P321 - Specific treatment (see supplemental first aid instruction on this label). P332+P313 - If skin irritation occurs: Get medical advice/attention. P337+P313 - If eye irritation persists: Get medical advice/attention. P362+P364 - Take off contaminated clothing and wash it before reuse. P391 - Collect spillage. P405 - Store locked up. P501 - Dispose of container to an approved waste disposal plant.

2.3. Other hazards

Adverse physicochemical, human health and environmental effects	: May cause damage to organs through prolonged or repeated exposure. Suspected of damaging fertility or the unborn child, Harmful in contact with skin, Harmful if swallowed, Causes skin irritation, Causes serious eye irritation, Toxic to aquatic life, Toxic to aquatic life with long lasting effects.
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SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to the United Nations GHS
Solvent Naphtha	CAS-No.: 64742-94-5	≥ 40 – < 45	Flam. Liq. 3, H226 Acute Tox. Not classified (Oral) Acute Tox. 5 (Dermal), H313 Eye Irrit. 2A, H319 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Acute 2, H401 Aquatic Chronic 2, H411

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Name	Product identifier	%	Classification according to the United Nations GHS
Tebuconazole 96.2% TC	CAS-No.: 107534-96-3	≥ 20 – < 25	Acute Tox. 4 (Oral), H302 Acute Tox. Not classified (Dermal) Acute Tox. 2 (Inhalation:dust,mist), H330 Repr. 2, H361 Aquatic Acute 2, H401 Aquatic Chronic 1, H410
1,2 propanediol	CAS-No.: 57-55-6	≥ 1 – < 5	Flam. Liq. Not classified Acute Tox. Not classified (Oral) Acute Tox. 5 (Dermal), H313 Acute Tox. Not classified (Inhalation:vapour) Aquatic Acute Not classified
1-octyl-2-pyrrolidone	CAS-No.: 2687-94-7	≥ 1 – < 5	Flam. Liq. Not classified Acute Tox. 5 (Oral), H303 Acute Tox. 5 (Dermal), H313 Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
Ethoxylated Fatty acids	CAS-No.: 61791-29-5	≥ 1 – < 5	Flam. Liq. Not classified Aquatic Acute 2, H401
Alcohol Alkoxylate	CAS-No.: 69013-18-9	≥ 1 – < 5	Aquatic Acute 2, H401 Aquatic Chronic 2, H411

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: IF exposed or concerned: Get medical advice/attention. Call a poison center or a doctor if you feel unwell.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.
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. Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects	: May cause drowsiness or dizziness.
Symptoms/effects after skin contact	: Irritation.
Symptoms/effects after eye contact	: Eye irritation.
Symptoms/effects after ingestion	: Harmful if swallowed.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: Water spray as a fog can be used for cooling of unaffected stock, but avoid water coming in contact with the product. Contain water used for fire-fighting for later disposal.

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5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : In the event of fire, the formation of hydrogen chloride, hydrogen cyanide, carbon monoxide and nitrogen oxides must be anticipated.

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

Personal protection (Emergency response) : Wear respiratory protection, Wear protective gloves, Wear protective clothing, Wear eye protection, Face-shield



SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No additional information available

6.1.1. For non-emergency personnel

Emergency procedures : Only qualified personnel equipped with suitable protective equipment may intervene. Avoid breathing vapours, spray.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.

Methods for cleaning up : Take up spilled product with absorbent material (e.g. sawdust, peat, chemical binder). Fill materials take up into closable container. To clean the floor and all objects contaminated by this material, use damp cloth. Also place used cleaning materials into closable receptacles.

Other information : Dispose of materials or solid residues at an authorized site.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Provide local exhaust or general room ventilation. Wear personal protective equipment. Floors, walls and other surfaces in the hazard area must be cleaned regularly. Avoid breathing vapours, spray. Do not get in eyes, on skin, or on clothing.

Hygiene measures : Separate working clothes from town clothes. Launder separately. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.

Storage area : Store out of reach of unauthorised persons, children and animals.

Information on mixed storage : KEEP SUBSTANCE AWAY FROM: Food supplies. Water supplies.

Storage temperature : -10 – 40 °C

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

1,2 propanediol (57-55-6)

South Africa - Occupational Exposure Limits (Recommended Limits)

Local name	Propane-1,2-diol (Propylene glycol)
OEL TWA	470 mg/m ³ vapour + particulates 10 mg/m ³ particulates
OEL TWA [ppm]	150 ppm vapour + particulates
Regulatory reference	Government Notice. R: 1179

South Africa - Occupational Exposure Limits (Airborne Pollutants)

Local name	Propylene glycol (Propane-1,2-diol)
OEL TWA	470 mg/m ³ total (particulate & vapor) 10 mg/m ³ particulate
OEL TWA [ppm]	150 ppm total (particulate & vapor)
Regulatory reference	Government Notice No. R 904

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures, such as personal protective equipment (PPE)

Hand protection : Protective gloves
Eye protection : Safety glasses
Skin and body protection : Wear suitable protective clothing
Respiratory protection : In case of inadequate ventilation wear respiratory protection.

Personal protective equipment symbol(s):



8.4. Exposure limit values for the other components

No additional information available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Appearance : Clear to slightly turbid.
Colour : Yellow.
Odour : No data available
Odour threshold : No data available
pH : No data available
pH solution : No data available
Relative evaporation rate (butylacetate=1) : No data available
Relative evaporation rate (ether=1) : No data available
Melting point : Not applicable
Freezing point : No data available
Boiling point : No data available
Flash point : > 172 °C

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Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Vapour pressure at 50 °C	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: 0.97
Relative density of saturated gas/air mixture	: No data available
Density	: No data available
Relative gas density	: No data available
Solubility	: Emulsifiable.
Partition coefficient n-octanol/water (Log Pow)	: 3.7
Partition coefficient n-octanol/water (Log Kow)	: 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
Lower explosion limit	: No data available
Upper explosion limit	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: May be harmful if swallowed.
Acute toxicity (dermal)	: May be harmful in contact with skin.
Acute toxicity (inhalation)	: Not classified

Curfew 250 EW (tebuconazole 250 g/l) (107534-96-3)

ATE ZA (oral)	3511.585 mg/kg bodyweight
ATE ZA (Dermal)	2509.776 mg/kg bodyweight

Curfew 250 EW (tebuconazole 250 g/l)

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Curfew 250 EW (tebuconazole 250 g/l) (107534-96-3)	
Unknown acute toxicity (GHS ZA)Unknown acute toxicity (GHS ZA)	44.86% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral) 51.22% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal) 99.81% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Vapours))
Tebuconazole 96.2% TC (107534-96-3)	
LD50 oral rat	1700 mg/kg Female Rat
LD50 oral	4000 mg/kg Male rat
LD50 dermal rat	> 5000 mg/kg (Rat, Experimental value, Dermal)
LC50 Inhalation - Rat	> 0.37 mg/l (4 h, Rat, Experimental value, Inhalation)
1-octyl-2-pyrrolidone (2687-94-7)	
LD50 oral rat	2050 mg/kg (Rat, Literature study, Oral)
LD50 dermal rabbit	> 2000 mg/kg (Rabbit, Literature study, Dermal)
Solvent Naphtha (64742-94-5)	
LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: EPA OTS 798.1175 (Acute Oral Toxicity), Remarks on results: other:
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: EPA OTS 798.1100 (Acute Dermal Toxicity), Remarks on results: other:
Dimethyl silicone (63148-62-9)	
LD50 oral rat	> 17000 mg/kg Source: National Library of Medicine
LD50 dermal rabbit	> 2000 mg/kg Source: National Library of Medicine
1,2 propanediol (57-55-6)	
LD50 oral rat	22000 mg/kg (Rat, Male / female, Experimental value, Oral)
LD50 dermal rabbit	> 2000 mg/kg bodyweight (24 h, Rabbit, Experimental value, Dermal, 14 day(s))
LC50 Inhalation - Rat (Vapours)	> 44.9 mg/l/4h
Water (7732-18-5)	
LD50 oral rat	90000 mg/kg
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Suspected of damaging fertility or the unborn child.
STOT-single exposure	: Not classified
STOT-repeated exposure	: May cause damage to organs through prolonged or repeated exposure.
Solvent Naphtha (64742-94-5)	
LOAEL (oral, rat, 90 days)	1250 mg/kg bodyweight Animal: rat, Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents)
LOAEL (dermal, rat/rabbit, 90 days)	200 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)
LOAEC (inhalation, rat, vapour, 90 days)	4.71 mg/l air Animal: rat, Guideline: EU Method B.29 (Sub-Chronic Inhalation Toxicity:90-Day Study)
NOAEL (oral, rat, 90 days)	625 mg/kg bodyweight Animal: rat, Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEL (dermal, rat/rabbit, 90 days)	2000 mg/kg bodyweight Animal: rabbit, Animal sex: male, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)

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Solvent Naphtha (64742-94-5)

NOAEC (inhalation, rat, vapour, 90 days)	2355 mg/l air Animal: rat, Guideline: EU Method B.29 (Sub-Chronic Inhalation Toxicity:90-Day Study)
	May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

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

Curfew 250 EW (tebuconazole 250 g/l) (107534-96-3)

Partition coefficient n-octanol/water (Log Pow)	3.7
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Tebuconazole 96.2% TC (107534-96-3)

LC50 - Fish [1]	4.4 mg/l (US EPA, 96 h, Salmo gairdneri, Flow-through system, Experimental value)
LC50 - Fish [2]	5.7 mg/l Bluegill sunfish
EC50 - Crustacea [1]	2.79 mg/l
ErC50 algae	3.8 mg/l (OECD 201: Alga, Growth Inhibition Test, 96 h, Scenedesmus subspicatus, Experimental value)
Partition coefficient n-octanol/water (Log Pow)	3.7 (Literature study)
Additional ecotoxicological information	Birds: Acute oral LD50 for male Japanese quail 4438, female Japanese quail 2912, bobwhite quail 1988 mg/kg b.w. Dietary LC50 (5d) for mallard ducks >4816, bobwhite quail >5000 mg/kg feed. Bees (LD50,mg/bee):> 200 (contact); >83 (oral) (48h). Worms: Acute LC50 (14d) 1381 mg/kg dry soil.

Ethoxylated Fatty acids (61791-29-5)

LC50 - Fish [1]	11.585 mg/l
Partition coefficient n-octanol/water (Log Pow)	3.21

Alcohol Alkoxylate (69013-18-9)

LC50 - Fish [1]	2.139 mg/l
EC50 - Crustacea [1]	1.62 mg/l
Partition coefficient n-octanol/water (Log Pow)	4

1-octyl-2-pyrrolidone (2687-94-7)

LC50 - Fish [1]	22 – 46 mg/l (96 h, Brachydanio rerio)
LC50 - Fish [2]	12.3 – 44.8 mg/l (EU Method C.1, 96 h, Brachydanio rerio)
EC50 - Crustacea [1]	12.2 mg/l (48 h, Daphnia magna)
EC50 72h - Algae [1]	19 mg/l (OECD 201: Alga, Growth Inhibition Test, Chlorophyta)
Partition coefficient n-octanol/water (Log Pow)	4.15

Solvent Naphtha (64742-94-5)

LC50 - Fish [1]	8.41 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 - Crustacea [1]	4.7 mg/l Test organisms (species): Daphnia magna

Curfew 250 EW (tebuconazole 250 g/l)

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Solvent Naphtha (64742-94-5)	
EC50 72h - Algae [1]	12.4 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	18.9 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
Dimethyl silicone (63148-62-9)	
LC50 - Fish [1]	37.79 mg/l Source: The ECOTOXicology database
1,2 propanediol (57-55-6)	
LC50 - Fish [1]	40613 mg/l (96 h, Oncorhynchus mykiss, Static system, Fresh water, Experimental value)
ErC50 algae	24200 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)
Partition coefficient n-octanol/water (Log Pow)	-1.07 (Experimental value, EU Method A.8: Partition Coefficient, 20.5 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0.46 (log Koc, Calculated value)
Water (7732-18-5)	
Partition coefficient n-octanol/water (Log Pow)	-1.38
12.2. Persistence and degradability	
Curfew 250 EW (tebuconazole 250 g/l) (107534-96-3)	
Persistence and degradability	No additional information available
Tebuconazole 96.2% TC (107534-96-3)	
Persistence and degradability	Not readily biodegradable in water.
1-octyl-2-pyrrolidone (2687-94-7)	
Persistence and degradability	Readily biodegradable in water.
Chemical oxygen demand (COD)	2.558 g O ₂ /g substance
1,2 propanediol (57-55-6)	
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.
Biochemical oxygen demand (BOD)	0.96 – 1.08 g O ₂ /g substance
Chemical oxygen demand (COD)	1.63 g O ₂ /g substance
ThOD	1.69 g O ₂ /g substance
12.3. Bioaccumulative potential	
Curfew 250 EW (tebuconazole 250 g/l) (107534-96-3)	
Partition coefficient n-octanol/water (Log Pow)	3.7
Bioaccumulative potential	No additional information available
Tebuconazole 96.2% TC (107534-96-3)	
Partition coefficient n-octanol/water (Log Pow)	3.7 (Literature study)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
Ethoxylated Fatty acids (61791-29-5)	
Partition coefficient n-octanol/water (Log Pow)	3.21
Alcohol Alkoxylate (69013-18-9)	
Partition coefficient n-octanol/water (Log Pow)	4

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1-octyl-2-pyrrolidone (2687-94-7)

Partition coefficient n-octanol/water (Log Pow)	4.15
Bioaccumulative potential	Potential for bioaccumulation ($4 \leq \text{Log Kow} \leq 5$).

1,2 propanediol (57-55-6)

Partition coefficient n-octanol/water (Log Pow)	-1.07 (Experimental value, EU Method A.8: Partition Coefficient, 20.5 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0.46 (log Koc, Calculated value)
Bioaccumulative potential	Not bioaccumulative.

Water (7732-18-5)

Partition coefficient n-octanol/water (Log Pow)	-1.38
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12.4. Mobility in soil

Curfew 250 EW (tebuconazole 250 g/l) (107534-96-3)

Mobility in soil	No additional information available
Partition coefficient n-octanol/water (Log Pow)	3.7

Tebuconazole 96.2% TC (107534-96-3)

Surface tension	64.2 mN/m (28.8 mg/l)
Partition coefficient n-octanol/water (Log Pow)	3.7 (Literature study)
Ecology - soil	No (test)data on mobility of the substance available. Not toxic to bees.

Ethoxylated Fatty acids (61791-29-5)

Mobility in soil	72.65
Partition coefficient n-octanol/water (Log Pow)	3.21

Alcohol Alkoxylate (69013-18-9)

Mobility in soil	1114
Partition coefficient n-octanol/water (Log Pow)	4

1-octyl-2-pyrrolidone (2687-94-7)

Partition coefficient n-octanol/water (Log Pow)	4.15
Ecology - soil	No (test)data on mobility of the substance available.

1,2 propanediol (57-55-6)

Surface tension	71.6 mN/m (21.5 °C, 1.01 g/l, EU Method A.5: Surface tension)
Partition coefficient n-octanol/water (Log Pow)	-1.07 (Experimental value, EU Method A.8: Partition Coefficient, 20.5 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0.46 (log Koc, Calculated value)
Ecology - soil	Highly mobile in soil.

Water (7732-18-5)

Partition coefficient n-octanol/water (Log Pow)	-1.38
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12.5. Other adverse effects

Ozone	: Not classified
Other adverse effects	: No additional information available

Curfew 250 EW (tebuconazole 250 g/l)

Safety Data Sheet

according to SANS 10234:2019 and SANS 11014:2010

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

In accordance with SANS / IMDG / IATA

SANS	IMDG	IATA
14.1. UN number		
3082	3082	3082
14.2. Proper Shipping Name		
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains tebuconazole 250 g/l)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains tebuconazole 250 g/l)	Environmentally hazardous substance, liquid, n.o.s. (contains tebuconazole 250 g/l)
14.3. Transport hazard class(es)		
9	9	9
14.4. Packing group		
III	III	III
14.5. Environmental hazards		
Dangerous for the environment : Yes	Dangerous for the environment : Yes Marine pollutant : Yes	Dangerous for the environment : Yes
No supplementary information available		

14.6. Special precautions for user

SANS

Special provisions (SANS) : 179, 274, 331, 335
Limited quantities (SANS) : 5 L
Limited quantities (SANS) : 5 L
Packagings, large packagings and IBCs Packing instructions (SANS) : P001, IBC03, LP01
Packagings, large packagings and IBCs Special packing instructions (SANS) : PP1
Portable tank and bulk containers instructions (SANS) : T4
Portable tank and bulk container special provisions (SANS) : TP1, TP29

IMDG

Special provisions (IMDG) : 274, 335, 969
Limited quantities (IMDG) : 5 L
Excepted quantities (IMDG) : E1
Packing instructions (IMDG) : LP01, P001
Special packing provisions (IMDG) : PP1
IBC packing instructions (IMDG) : IBC03
Tank instructions (IMDG) : T4
Tank special provisions (IMDG) : TP1, TP29
EmS-No. (Fire) : F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE
EmS-No. (Spillage) : S-F - SPILLAGE SCHEDULE Foxtrot - WATER-SOLUBLE MARINE POLLUTANTS

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Stowage category (IMDG) : A

IATA

PCA Excepted quantities (IATA) : E1
PCA Limited quantities (IATA) : Y964
PCA limited quantity max net quantity (IATA) : 30kgG
PCA packing instructions (IATA) : 964
PCA max net quantity (IATA) : 450L
CAO packing instructions (IATA) : 964
CAO max net quantity (IATA) : 450L
Special provisions (IATA) : A97, A158, A197, A215
ERG code (IATA) : 9L

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health, and environmental national regulations specific for the product

No additional information available

SECTION 16: Other information

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Full text of H-statements

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H303	May be harmful if swallowed
H304	May be fatal if swallowed and enters airways.
H313	May be harmful in contact with skin
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H361	Suspected of damaging fertility or the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H401	Toxic to aquatic life
H402	Harmful to aquatic life
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

Safety Data Sheet (SDS), South Africa

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.