

SECTION 1: Identification

1.1. Product identifier

Product form	: Mixture
Trade name	: Calculus 125 SE (epoxiconazole 62.5 g/l + pyraclostrobin 62.5 g/l)
Type of product	: Fungicide
CAS-No.	: [133855-98-8] [175013-18-0]
Product group	: End product

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

Use of the substance/mixture	: A suspo-emulsion contact and translaminar fungicide for the preventative control of diseases on barley, maize, soybeans, sugarcane and wheat.
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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

Acute toxicity (dermal), Category 5	H313
Skin corrosion/irritation, Category 3	H316
Carcinogenicity, Category 2	H351
Hazardous to the aquatic environment – Acute Hazard, Category 1	H400
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
Hazardous ingredients	: Epoxiconazole TC, Pyraclostrobin TC, 1,2 propanediol, silicon dioxide, amorphous
Hazard statements (GHS ZA)	: H313 - May be harmful in contact with skin H316 - Causes mild skin irritation

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Precautionary statements (GHS ZA)	H351 - Suspected of causing cancer. H400 - Very toxic to aquatic life. H411 - Toxic to aquatic life with long lasting effects. : 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. P273 - Avoid release to the environment. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P308+P313 - IF exposed or concerned: Get medical advice/attention. P312 - Call a POISON CENTER or doctor if you feel unwell. P332+P313 - If skin irritation occurs: Get medical advice/attention. P391 - Collect spillage. P405 - Store locked up. P501 - Dispose of contents and container to an approved waste disposal plant.
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2.3. Other hazards

Adverse physicochemical, human health and environmental effects	: Suspected of causing cancer,Fatal if inhaled,Harmful in contact with skin,Causes mild skin irritation,Very 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
Tensiofix DB08	-	≥ 5 – < 10	Acute Tox. 5 (Oral), H303 Aquatic Acute Not classified
Epoxiconazole TC	CAS-No.: 133855-98-8	≥ 5 – < 10	Acute Tox. Not classified (Oral) Acute Tox. 5 (Dermal), H313 Acute Tox. Not classified (Inhalation:dust,mist) Carc. 2, H351 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
Pyraclostrobin TC	CAS-No.: 175013-18-0	≥ 5 – < 10	Acute Tox. Not classified (Oral) Acute Tox. 5 (Dermal), H313 Acute Tox. 3 (Inhalation:dust,mist), H331 Skin Irrit. 2, H315 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410
1,2 propanediol	CAS-No.: 57-55-6	≥ 5 – < 10	Flam. Liq. Not classified Acute Tox. Not classified (Oral) Acute Tox. 5 (Dermal), H313 Acute Tox. Not classified (Inhalation:vapour) Aquatic Acute Not classified
silicon dioxide, amorphous	CAS-No.: 7631-86-9	≥ 1 – < 5	Acute Tox. Not classified (Oral) Acute Tox. 5 (Dermal), H313 Acute Tox. Not classified (Inhalation:dust,mist) Aquatic Acute Not classified

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SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Call a physician immediately.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Call a physician immediately. Call a doctor.
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 eyes with water as a precaution.
First-aid measures after ingestion	: Call poison control center or doctor immediately for treatment advice. Have person drink several glasses of milk or water if able to swallow. Do not induce vomiting unless told to do so by the poison center or doctor. Do not give anything by mouth to an unconscious person. Obtain medical attention immediately.

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

Symptoms/effects	: The product may cause mild to moderate irritation, tearing, nausea, vomiting, diarrhea, headache, breathing difficulty and death.
Symptoms/effects after inhalation	: Harmful if inhaled.
Symptoms/effects after skin contact	: Irritation.
Symptoms/effects after eye contact	: Causes 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.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire	: Toxic fumes may be released.
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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	: Do not breathe vapours, spray. Only qualified personnel equipped with suitable protective equipment may intervene.
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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

Do not allow entering drains or watercourses. Spillage or uncontrolled discharges into water courses (or public waters) to be reported immediately to the Police and to the Department of Water/Environmental Affairs.

6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.
Methods for cleaning up : Isolate area and keep authorized persons away. Do not walk through spilled material. Collect with the non-combustible suitable absorbent material. Contaminated soil may have to be removed and disposed. Label drums with its content and dispose of it in accordance with local regulations. Open burning or dumping of this material is prohibited.
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 : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Use only outdoors or in a well-ventilated area. Do not breathe vapours, spray. Do not get in eyes, on skin, or on clothing.
Hygiene measures : 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 : Keep only in the original container. Store out of reach of unauthorised persons, children and animals.
Information on mixed storage : KEEP SUBSTANCE AWAY FROM: Food supplies. Water supplies.
Maximum storage period : 2 years
Storage temperature : -5 – 40 °C

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

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silicon dioxide, amorphous (7631-86-9)	
South Africa - Occupational Exposure Limits (Airborne Pollutants)	
Local name	Silica, amorphous
OEL TWA	6 mg/m ³ inhalable particulate 3 mg/m ³ respirable particulate
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 : No data available
Colour : White.
Odour : Faint odour. Aromatic odour.
Odour threshold : No data available
pH : 6 – 8
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 : 100 °C
Flash point : No data available
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 : 1.03
Relative density of saturated gas/air mixture : No data available
Density : No data available
Relative gas density : No data available
Solubility : Dispersible.
Partition coefficient n-octanol/water (Log Pow) : No data available
Partition coefficient n-octanol/water (Log Kow) : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available

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

Calculus 125 SE (epoxiconazole 62.5 g/l + pyraclostrobin 62.5 g/l) ([133855-98-8] [175013-18-0])

ATE ZA (Dermal)	2562.22 mg/kg bodyweight
Unknown acute toxicity (GHS ZA)Unknown acute toxicity (GHS ZA)	14.48% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral) 79.41% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal) 99.5% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Vapours))

Epoxiconazole TC (133855-98-8)

LD50 oral rat	> 5000 mg/kg (Rat, Literature study, Oral)
LD50 dermal rat	> 2000 mg/kg (Rat, Literature study, Dermal)
LC50 Inhalation - Rat (Dust/Mist)	> 5.3 mg/l/4h

Pyraclostrobin TC (175013-18-0)

LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 Inhalation - Rat	0.58 mg/l (4h)

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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
Tensiofix DB08	
LD50 oral rat	> 2000 mg/kg
poly(dimethylsiloxane) (9016-00-6)	
LD50 oral rat	> 5000 mg/kg (Rat, Literature study, Oral)
Xanthan gum (11138-66-2)	
LD50 oral rat	45000 mg/kg
silicon dioxide, amorphous (7631-86-9)	
LD50 oral rat	> 5000 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit	> 2000 mg/kg bodyweight (24 h, Rabbit, Experimental value, Dermal, 2 day(s))
LC50 Inhalation - Rat	> 5.01 mg/l (OECD 436: Acute inhalation toxicity-acute toxic class method, 4 h, Rat, Male / female, Experimental value, Inhalation (aerosol), 15 day(s))
1,2-Benzisothiazolin-3-one (2634-33-5)	
LD50 oral rat	490 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rat	> 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s))
Water (7732-18-5)	
LD50 oral rat	90000 mg/kg
Skin corrosion/irritation	: Causes mild skin irritation. pH: 6 – 8
Serious eye damage/irritation	: Not classified pH: 6 – 8
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Suspected of causing cancer.
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
1,2-Benzisothiazolin-3-one (2634-33-5)	
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: Very toxic to aquatic life. 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)	: Toxic to aquatic life with long lasting effects.

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Epoxiconazole TC (133855-98-8)	
LC50 - Fish [1]	4.6 mg/kg Trout
LC50 - Fish [2]	6.8 mg/kg Bluegill Sunfish
EC50 - Crustacea [1]	8.7 mg/l (48 h)
EC50 72h - Algae [1]	2.3 mg/l
Partition coefficient n-octanol/water (Log Pow)	3.58 (25 °C)
Additional ecotoxicological information	Birds: Quail >2000 mg/kg. LC50 for quail 5000 mg/kg. <i>Colinus virginianus</i> - >2000 mg/kg bw. Bees: >100 µg/bee. Earthworms: EC50 (14 d) >1000 mg/kg soil.
Pyraclostrobin TC (175013-18-0)	
LC50 - Fish [1]	0.006 mg/l (96 h) rainbow trout
EC50 - Crustacea [1]	0.016 mg/l (48h)
ErC50 algae	0.843 mg/l (72 h)
NOEC (acute)	0.008 mg/l Mesocosm
Partition coefficient n-octanol/water (Log Kow)	3.99
Additional ecotoxicological information	Birds: Acute oral LD50 for bobwhite quail > 2000 mg/kg b.w. Dietary LC50 (5d) for bobwhite quail > 1176 mg a.s/kg b.w./d; Bees: > 73 oral; >100 contact; Worms: LC50 567 mg/kg soil
1,2 propanediol (57-55-6)	
LC50 - Fish [1]	40613 mg/l (96 h, <i>Oncorhynchus mykiss</i> , Static system, Fresh water, Experimental value)
ErC50 algae	24200 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, <i>Pseudokirchneriella subcapitata</i> , 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)
Tensiofix DB08	
LC50 - Fish [1]	> 100 mg/l
poly(dimethylsiloxane) (9016-00-6)	
LC50 - Fish [1]	> 10000 mg/l (96 h, <i>Salmo gairdneri</i> , Static system, Literature study)
BCF - Fish [1]	2.9 – 1250 (3 day(s), <i>Hypophthalmichthys molitrix</i> , Literature study)
Xanthan gum (11138-66-2)	
LC50 - Fish [1]	420 mg/l Source: ECOTOX
silicon dioxide, amorphous (7631-86-9)	
EC50 72h - Algae [1]	> 173.1 mg/l (OECD 201: Alga, Growth Inhibition Test, <i>Desmodesmus subspicatus</i> , Static system, Fresh water, Experimental value, GLP)
1,2-Benzisothiazolin-3-one (2634-33-5)	
LC50 - Fish [1]	2.18 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, <i>Oncorhynchus mykiss</i> , Static system, Experimental value, Nominal concentration)
EC50 - Crustacea [1]	2.94 mg/l (OECD 202: <i>Daphnia</i> sp. Acute Immobilisation Test, 48 h, <i>Daphnia magna</i> , Static system, Experimental value, Lethal)
ErC50 algae	150 µg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, <i>Pseudokirchneriella subcapitata</i> , Experimental value, GLP)

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1,2-Benzisothiazolin-3-one (2634-33-5)	
BCF - Fish [1]	6.62 (Equivalent or similar to OECD 305, 56 day(s), Lepomis macrochirus, Experimental value, Fresh weight)
Partition coefficient n-octanol/water (Log Pow)	-0.9 – 0.99 (Experimental value, EU Method A.8: Partition Coefficient, 20 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0.97 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value, GLP)

Water (7732-18-5)	
Partition coefficient n-octanol/water (Log Pow)	-1.38

12.2. Persistence and degradability

Calculus 125 SE (epoxiconazole 62.5 g/l + pyraclostrobin 62.5 g/l) ([133855-98-8] [175013-18-0])	
Persistence and degradability	No additional information available

Epoxiconazole TC (133855-98-8)	
Persistence and degradability	Not readily biodegradable in water.

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

poly(dimethylsiloxane) (9016-00-6)	
Persistence and degradability	Biodegradable in the soil. Not readily biodegradable in water.

silicon dioxide, amorphous (7631-86-9)	
Persistence and degradability	Biodegradability in soil: not applicable. Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable (inorganic)
ThOD	Not applicable (inorganic)

1,2-Benzisothiazolin-3-one (2634-33-5)	
Persistence and degradability	Not readily biodegradable in water.

12.3. Bioaccumulative potential

Calculus 125 SE (epoxiconazole 62.5 g/l + pyraclostrobin 62.5 g/l) ([133855-98-8] [175013-18-0])	
Bioaccumulative potential	No additional information available

Epoxiconazole TC (133855-98-8)	
Partition coefficient n-octanol/water (Log Pow)	3.58 (25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

Pyraclostrobin TC (175013-18-0)	
Partition coefficient n-octanol/water (Log Kow)	3.99

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.

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poly(dimethylsiloxane) (9016-00-6)	
BCF - Fish [1]	2.9 – 1250 (3 day(s), Hypophthalmichthys molitrix, Literature study)
Bioaccumulative potential	No straightforward conclusion can be drawn based upon the available numerical values.
silicon dioxide, amorphous (7631-86-9)	
Bioaccumulative potential	Not bioaccumulative.
1,2-Benzisothiazolin-3-one (2634-33-5)	
BCF - Fish [1]	6.62 (Equivalent or similar to OECD 305, 56 day(s), Lepomis macrochirus, Experimental value, Fresh weight)
Partition coefficient n-octanol/water (Log Pow)	-0.9 – 0.99 (Experimental value, EU Method A.8: Partition Coefficient, 20 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0.97 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value, GLP)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
Water (7732-18-5)	
Partition coefficient n-octanol/water (Log Pow)	-1.38
12.4. Mobility in soil	
Calculus 125 SE (epoxiconazole 62.5 g/l + pyraclostrobin 62.5 g/l) ([133855-98-8] [175013-18-0])	
Mobility in soil	No additional information available
Epoxiconazole TC (133855-98-8)	
Partition coefficient n-octanol/water (Log Pow)	3.58 (25 °C)
Ecology - soil	No (test)data on mobility of the substance available.
Pyraclostrobin TC (175013-18-0)	
Partition coefficient n-octanol/water (Log Kow)	3.99
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.
poly(dimethylsiloxane) (9016-00-6)	
Ecology - soil	Adsorbs into the soil. Low potential for mobility in soil. Not toxic to plants.
silicon dioxide, amorphous (7631-86-9)	
Surface tension	No data available in the literature
Ecology - soil	No (test)data on mobility of the substance available.
1,2-Benzisothiazolin-3-one (2634-33-5)	
Surface tension	72.6 mN/m (20 °C, 0.1 %, EU Method A.5: Surface tension)
Partition coefficient n-octanol/water (Log Pow)	-0.9 – 0.99 (Experimental value, EU Method A.8: Partition Coefficient, 20 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0.97 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value, GLP)
Ecology - soil	Highly mobile in soil.

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Water (7732-18-5)

Partition coefficient n-octanol/water (Log Pow) : -1.38

12.5. Other adverse effects

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



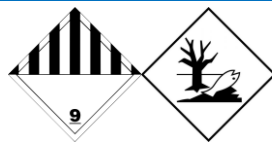
SECTION 13: Disposal considerations

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 epoxiconazole 62.5 g/l + pyraclostrobin 62.5 g/l)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Contains epoxiconazole 62.5 g/l + pyraclostrobin 62.5 g/l)	Environmentally hazardous substance, liquid, n.o.s. (Contains epoxiconazole 62.5 g/l + pyraclostrobin 62.5 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

Calculus 125 SE (epoxiconazole 62.5 g/l + pyraclostrobin 62.5 g/l)

Safety Data Sheet

according to SANS 10234:2019 and SANS 11014:2010

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
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

Issue date : 09/09/2022

Full text of H-statements

H290	May be corrosive to metals.
H302	Harmful if swallowed.
H303	May be harmful if swallowed
H313	May be harmful in contact with skin
H315	Causes skin irritation.
H316	Causes mild skin irritation
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H331	Toxic if inhaled.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.
H400	Very toxic to aquatic life.
H401	Toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

Calculus 125 SE (epoxiconazole 62.5 g/l + pyraclostrobin 62.5 g/l)

Safety Data Sheet

according to SANS 10234:2019 and SANS 11014:2010

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.