Borealis 400 WG (Carfentrazone 400 g/kg)

Safety Data Sheet

according to SANS 10234:2019 and SANS 11014:2010
Issue date: 8/31/2022 Version: 1.0

SECTION 1: Identification

1.1. Product identifier

Product form	:	Mixture
Trade name	:	Borealis 400 WG (Carfentrazone 400 g/kg)
Type of product	:	Herbicide
CAS-No.	:	128639-02-1
Product group	:	End product

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

Use of the substance/mixture	:	A water dispersible granule herbicide for post-emergent control of broadleaved weeds in wheat and barley in the Western, Southern and Eastern Cape and as directed in orchards, vineyards and other crops as listed.

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 (oral), Category 4	H302
Acute toxicity (dermal), Category 5	H313
Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 1	H318
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

2.2. Label elements

Labelling according to the United Nations GHS

Hazard pictograms (GHS ZA) :

Signal word (GHS-ZA)	:	Danger
Hazardous ingredients	:	Carfentrazone-ethyl TC, Sodium dodecyl sulfate, ammonium sulphate
Hazard statements (GHS ZA)	:	H302 - Harmful if swallowed. H313 - May be harmful in contact with skin

		H315 - Causes skin irritation. H318 - Causes serious eye damage. H410 - Very 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. P264 - Wash hands, forearms and face thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. P273 - Avoid release to the environment. P280 - Wear protective clothing, eye protection, face protection, protective gloves. P301+P312 - IF SWALLOWED: Call a doctor if you feel unwell. P302+P352 - IF ON SKIN: Wash with plenty of 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. P310 - Immediately call a POISON CENTER or doctor. P312 - Call a doctor if you feel unwell. P330 - Rinse mouth. P332+P313 - If skin irritation occurs: Get medical advice/attention. P362+P364 - Take off contaminated clothing and wash it before reuse. P391 - Collect spillage. P501 - Dispose of contents and container to an approved waste disposal plant.

2.3. Other hazards

Adverse physicochemical, human health and environmental effects	:	Causes skin irritation,Causes serious eye damage,Very toxic to aquatic life with long lasting effects,Toxic to aquatic life

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to the United Nations GHS
Carfentrazone-ethyl TC	CAS-No.: 128639-02-1	≥ 40 – < 45	Flam. Liq. Not classified Acute Tox. Not classified (Oral) Acute Tox. 5 (Dermal), H313 Acute Tox. 3 (Inhalation:vapour), H331 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410
ammonium sulphate	CAS-No.: 7783-20-2	≥ 15 – < 20	Acute Tox. 4 (Oral), H302 Acute Tox. 5 (Dermal), H313 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335 Aquatic Acute 3, H402
Sodium lignosulfonate	CAS-No.: 8061-51-6	≥ 5 – < 10	Acute Tox. Not classified (Oral) Eye Irrit. 2A, H319 Aquatic Acute Not classified
Sodium dodecyl sulfate	CAS-No.: 151-21-3	≥ 1 – < 5	Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 2, H401 Aquatic Chronic 3, H412
disodium dihydrogen ethylenediaminetetraacetate, dihydrate	CAS-No.: 6381-92-6	≥ 1 – < 5	Acute Tox. 5 (Oral), H303 Aquatic Acute Not classified

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Gently brush away excess particles. Irritation is unlikely. However, if irritation does occur, flush with lukewarm, gently flowing water for 5 minutes or until chemical is removed.

First-aid measures after eye contact : Quickly and gently brush particles from eyes. Immediately flush the contaminated eye(s) with lukewarm, gently flowing water until the particles are removed, while holding the eyelid(s) open. Obtain medical attention if irritation persists, or if particles are lodged in surface of the eye(s). Take special care if exposed person is wearing contact lenses.

First-aid measures after ingestion : If product is swallowed or gets in mouth, do NOT induce vomiting; wash mouth with water and give some water to drink. If symptoms develop, or if in doubt contact a Poisons Information Centre or a doctor.
Do not induce vomiting. Do not give anything by month. Obtain medical attention. If the person is alert, rinse mouth thoroughly with water.

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

Symptoms/effects after skin contact : Irritation.

Symptoms/effects after eye contact : Effects from overexposure may result from coming into contact with the eyes. Symptoms of overexposure include shaking, tearing of the eyes, and low body temperature. This product is likely to be mechanically irritating. If exposure is minor or brief, no long term effects should result. However, if material is not removed promptly, scratches to surface of the eye may result with long term consequences.

Symptoms/effects after ingestion : Significant oral exposure is considered to be unlikely. However, this product may be irritating to mucous membranes but is unlikely to cause anything more than transient discomfort.

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 : Carbon dioxide. Dry chemical. Foam. Water spray.

5.2. Special hazards arising from the substance or mixture

Fire hazard : The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases. There is little risk of an explosion from this product if commercial quantities are involved in a fire. This product, if scattered, may form flammable or explosive dust clouds in air.
Fire decomposition products from this product are likely to be toxic and corrosive if inhaled. Take appropriate protective measures.

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

Firefighting instructions : Do not scatter spilled material with high pressure water jets.
Isolate fire area. Evacuate downwind.
Contain the extinguishing fluids by bunding (the product is hazardous for the environment)
Do not attempt to fight the fire without suitable protective equipment
Do not breathe fumes.

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,Wear a face shield,Gloves

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid contact with skin and eyes.
Do not attempt to intervene without a suitable protective equipment.
Environmental precautions : Do not allow product to spread into the environment.
Contain the spilled material by bunding (product is hazardous for the environment).

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes.

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.

6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.

Methods for cleaning up : - Recovery : Avoid creating or spreading dust
Spray with water.
Recover the product with absorbent material
- Neutralization : Absorb spillage with:
- earth or sand
Neutralize non-recoverable product with :
- a solution of caustic or soda ash, and an appropriate alcohol (methanol, ethanol or isopropanol)
- Cleaning/decontamination : Wash with plenty of water and detergent
- Disposal : Dispose of contaminated material at an authorized site.

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. Avoid contact with skin and eyes. Wear personal protective equipment.

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 in a well-ventilated place. Keep cool.

Storage area : Keep container tightly closed. Store away from heat.

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

Maximum storage period : 2 years

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

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 insufficient ventilation, wear suitable respiratory equipment

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	:	Solid
Appearance	:	Granules.
Colour	:	Dark. Brown.
Odour	:	Slightly muddy.
Odour threshold	:	No data available
pH	:	6.3
pH solution	:	No data available
Relative evaporation rate (butylacetate=1)	:	No data available
Relative evaporation rate (ether=1)	:	No data available
Melting point	:	No data available
Freezing point	:	Not applicable
Boiling point	:	No data available
Flash point	:	71.5 °C
Auto-ignition temperature	:	Not applicable
Decomposition temperature	:	No data available
Flammability (solid, gas)	:	Not flammable
Vapour pressure	:	No data available
Vapour pressure at 50 °C	:	No data available
Relative vapour density at 20 °C	:	No data available
Relative density	:	No data available
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	:	Not applicable
Viscosity, dynamic	:	No data available
Explosive properties	:	No data available
Oxidising properties	:	No data available
Explosive limits	:	Not applicable
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) : Harmful if swallowed.
Acute toxicity (dermal) : May be harmful in contact with skin.
Acute toxicity (inhalation) : Not classified

Borealis 400 WG (Carfentrazone 400 g/kg) (128639-02-1)	
ATE ZA (oral)	1015 mg/kg bodyweight
ATE ZA (Dermal)	2153.285 mg/kg bodyweight
Unknown acute toxicity (GHS ZA)Unknown acute toxicity (GHS ZA)	71% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral) 41% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal) 100% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

Carfentrazone-ethyl TC (128639-02-1)	
LD_{50} oral rat	> 5000 mg/kg (Rat, Experimental value, Oral)
LD_{50} dermal rat	> 4000 mg/kg (Rat, Experimental value, Dermal)
LC_{50} Inhalation - Rat	> 5.09 mg/l (4 h, Rat, Experimental value, Inhalation)

Sodium dodecyl sulfate (151-21-3)	
LD_{50} oral rat	1200 mg/kg Source: OECD SIDS
LD_{50} dermal rabbit	600 mg/kg Source: cal, SIDS

disodium dihydrogen ethylenediaminetetraacetate, dihydrate (6381-92-6)	
LD_{50} oral rat	2800 mg/kg bodyweight (BASF test, Rat, Male / female, Experimental value, Anhydrous form, Oral)

Sodium lignosulfonate (8061-51-6)	
LD_{50} oral	6030 mg/kg Mouse

ammonium sulphate (7783-20-2)	
LD_{50} oral rat	640 mg/kg

ammonium sulphate (7783-20-2)	
LD_{50} dermal rat	> 2000 mg/kg bodyweight (OECD 434: Acute Dermal Toxicity - Fixed Dose Procedure, Rat, Male / female, Experimental value, Dermal, 14 day(s))

Skin corrosion/irritation : Not a skin irritant
pH: 6.3

Serious eye damage/irritation : Slight eye irritant
pH: 6.3

Respiratory or skin sensitisation : Not a skin sensitizer

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

ammonium sulphate (7783-20-2)	
STOT-single exposure	May cause respiratory irritation.

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

Borealis 400 WG (Carfentrazone 400 g/kg) (128639-02-1)	
Viscosity, kinematic	Not applicable

SECTION 12: Ecological information

12.1. Toxicity

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

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.

Carfentrazone-ethyl TC (128639-02-1)	
LC_{50} - Fish [1]	1.1 – 2.1 mg/l Rainbow trout
LC_{50} - Fish [2]	1.5 – 4.4 mg/l Bluegill sunfiish
EC_{50} - Crustacea [1]	> 9.8 mg/l (48 h, Daphnia magna, Experimental value)
EC_{50} 72h - Algae [1]	0.012 mg/l (Anabaena flosaquae, Experimental value)
ErC_{50} algae	5.7 – 15 mg/l
BCF - Fish [1]	176 (Pisces, Experimental value)
Partition coefficient n-octanol/water (Log Pow)	3.36 (20 °C)
Additional ecotoxicological information	Birds: Bobwhite quail >2250 mg/kg; Mallard duck >5620 ppm; Bees: >200 mg/bee (contact); >35 (oral); Earthworms: >820 mg/kg soil; Soil micro-organisms No significant adverse effect in dose 0.52 mg/kg soil.

Sodium dodecyl sulfate (151-21-3)	
LC_{50} - Fish [1]	1.31 mg/l Source: ECOTOX
EC_{50} - Crustacea [1]	6 mg/l Source: ECOTOX
Partition coefficient n-octanol/water (Log Pow)	1.6

disodium dihydrogen ethylenediaminetetraacetate, dihydrate (6381-92-6)	
LC_{50} - Fish [1]	705 mg/l (US EPA, 96 h, Lepomis macrochirus, Static system, Fresh water, Read-across, Anhydrous form)

disodium dihydrogen ethylenediaminetetraacetate, dihydrate (6381-92-6)	
EC_{50} - Crustacea [1]	140 mg/l (DIN 38412-11, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Anhydrous form)
ErC_{50} algae	> 100 mg/l (EU Method C.3, 72 h, Scenedesmus subspicatus, Static system, Fresh water, Read-across, Anhydrous form)
BCF - Fish [1]	1.8 (Other, 28 day(s), Lepomis macrochirus, Flow-through system, Fresh water, Read-across, Anhydrous form)
Partition coefficient n-octanol/water (Log Pow)	-4.3 (Experimental value, Equivalent or similar to OECD 107, 25 °C)

Sodium lignosulfonate (8061-51-6)	
LC_{50} - Fish [1]	7300 mg/l Source: ECOTOX
Partition coefficient n-octanol/water (Log Pow)	-3.45 Source: National Institute of Technology and Evaluation

ammonium sulphate (7783-20-2)	
LC_{50} - Fish [1]	53 mg/l (96 h, Oncorhynchus mykiss, Fresh water)
EC_{50} - Crustacea [1]	169 mg/l (48 h, Daphnia magna, Static system, Fresh water)
Partition coefficient n-octanol/water (Log Pow)	-5.1 (Experimental value, Equivalent or similar to OECD 107, 25 °C)

12.2. Persistence and degradability

Borealis 400 WG (Carfentrazone 400 g/kg) (128639-02-1)	
Persistence and degradability	Degradability: Field studies show that Carfentrazone-ethyl has low mobility in soil. Persistence: Half life in soil: <1.5 d Half life in water: 8.3 d (pH = 5).

Carfentrazone-ethyl TC (128639-02-1)	
Persistence and degradability	Not readily biodegradable in water.

silicon dioxide, hydrate (10279-57-9)	
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

disodium dihydrogen ethylenediaminetetraacetate, dihydrate (6381-92-6)	
Persistence and degradability	Not readily biodegradable in the soil. Not readily biodegradable in water.
Biochemical oxygen demand (BOD)	0.01 g O_2/g substance

ammonium sulphate (7783-20-2)	
Persistence and degradability	Biodegradability in water: no data available.

12.3. Bioaccumulative potential

Borealis 400 WG (Carfentrazone 400 g/kg) (128639-02-1)	
Bioaccumulative potential	No additional information available

Carfentrazone-ethyl TC (128639-02-1)	
BCF - Fish [1]	176 (Pisces, Experimental value)
Partition coefficient n-octanol/water (Log Pow)	3.36 (20 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

silicon dioxide, hydrate (10279-57-9)	
Bioaccumulative potential	No bioaccumulation data available.

polytetrafluoroethylene (9002-84-0)	
Bioaccumulative potential	No test data available.

Sodium dodecyl sulfate (151-21-3)	
Partition coefficient n-octanol/water (Log Pow)	1.6

disodium dihydrogen ethylenediaminetetraacetate, dihydrate (6381-92-6)	
BCF - Fish [1]	1.8 (Other, 28 day(s), Lepomis macrochirus, Flow-through system, Fresh water, Read-across, Anhydrous form)
Partition coefficient n-octanol/water (Log Pow)	-4.3 (Experimental value, Equivalent or similar to OECD 107, 25 °C)
Bioaccumulative potential	Not bioaccumulative.

Sodium lignosulfonate (8061-51-6)	
Partition coefficient n-octanol/water (Log Pow)	-3.45 Source: National Institute of Technology and Evaluation

ammonium sulphate (7783-20-2)	
Partition coefficient n-octanol/water (Log Pow)	-5.1 (Experimental value, Equivalent or similar to OECD 107, 25 °C)
Bioaccumulative potential	Not bioaccumulative.

12.4. Mobility in soil

Borealis 400 WG (Carfentrazone 400 g/kg) (128639-02-1)	
Mobility in soil	No additional information available

Carfentrazone-ethyl TC (128639-02-1)	
Partition coefficient n-octanol/water (Log Pow)	3.36 (20 °C)
Ecology - soil	Low potential for adsorption in soil.

silicon dioxide, hydrate (10279-57-9)	
Ecology - soil	No (test)data on mobility of the substance available.

polytetrafluoroethylene (9002-84-0)	
Ecology - soil	No (test)data on mobility of the substance available.

Sodium dodecyl sulfate (151-21-3)	
Partition coefficient n-octanol/water (Log Pow)	1.6

disodium dihydrogen ethylenediaminetetraacetate, dihydrate (6381-92-6)	
Partition coefficient n-octanol/water (Log Pow)	-4.3 (Experimental value, Equivalent or similar to OECD 107, 25 °C)
Ecology - soil	Low potential for adsorption in soil.

Sodium lignosulfonate (8061-51-6)	
Partition coefficient n-octanol/water (Log Pow)	-3.45 Source: National Institute of Technology and Evaluation

ammonium sulphate (7783-20-2)	
Partition coefficient n-octanol/water (Log Pow)	-5.1 (Experimental value, Equivalent or similar to OECD 107, 25 °C)
Ecology - soil	No (test)data on mobility of the substance available.

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		
3077	3077	3077
14.2. Proper Shipping Name		
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains carfentrazone 400 g/kg)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains carfentrazone 400 g/kg)	Environmentally hazardous substance, solid, n.o.s. (contains carfentrazone 400 g/kg)
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 kg
Limited quantities (SANS) : 5 kg
Packagings, large packagings and IBCs Packing instructions (SANS) : P002, IBC08, LP02
Packagings, large packagings and IBCs Special packing instructions (SANS) : PP12, B3
Portable tank and bulk containers instructions (SANS) : T1, BK2
Portable tank and bulk container special provisions (SANS) : TP33

IMDG

Special provisions (IMDG) : 274, 335, 966, 967, 969
Limited quantities (IMDG) : 5 kg
Excepted quantities (IMDG) : E1
Packing instructions (IMDG) : LP02, P002
Special packing provisions (IMDG) : PP12
IBC packing instructions (IMDG) : IBC08
IBC special provisions (IMDG) : B3
Tank instructions (IMDG) : BK1, BK2, BK3, T1
Tank special provisions (IMDG) : TP33
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) : Y956
PCA limited quantity max net quantity (IATA) : 30kgG
PCA packing instructions (IATA) : 956
PCA max net quantity (IATA) : 400kg
CAO packing instructions (IATA) : 956
CAO max net quantity (IATA) : 400kg
Special provisions (IATA) : A97, A158, A179, 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 : 31/08/2022

Full text of H-statements	
H302	Harmful if swallowed.
H303	May be harmful if swallowed
H311	Toxic in contact with skin.
H313	May be harmful in contact with skin
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H401	Toxic to aquatic life
H402	Harmful to aquatic life
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful 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.