



Metastar 700 WP (Mancozeb 600 g/kg + Metalaxyl 100 g/kg)

Safety Data Sheet

according to SANS 10234:2019 and SANS 11014:2010
Issue date: 8/30/2022 Version: 1.0

SECTION 1: Identification

1.1. Product identifier

Product form	: Mixture
Trade name	: Metastar 700 WP (Mancozeb 600 g/kg + Metalaxyl 100 g/kg)
Type of product	: Fungicide
CAS-No.	: [8018-01-7] [57837-10-1]
Product group	: End product

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

Use of the substance/mixture	: A contact and systemic fungicide combination formulated as a wettable powder for the control of various diseases on crops as indicated.
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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 (oral), Category 4	H302
Acute toxicity (dermal), Category 5	H313
Acute toxicity (inhalation:dust,mist) Category 4	H332
Skin corrosion/irritation, Category 3	H316
Skin sensitisation, Category 1	H317
Carcinogenicity, Category 2	H351
Reproductive toxicity, Category 1B	H360
Specific target organ toxicity – Repeated exposure, Category 2	H373
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

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2.2. Label elements

Labelling according to the United Nations GHS

Hazard pictograms (GHS ZA)



Signal word (GHS-ZA)

: Danger

Hazardous ingredients

: Mancozeb Technical, Metalaxyl Technical

Hazard statements (GHS ZA)

: H302+H332 - Harmful if swallowed or if inhaled

H313 - May be harmful in contact with skin

H316 - Causes mild skin irritation

H317 - May cause an allergic skin reaction.

H351 - Suspected of causing cancer.

H360 - May damage fertility or the unborn child.

H373 - May cause damage to organs through prolonged or repeated exposure.

H400 - Very toxic to aquatic life.

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 dust, spray.

P264 - Wash hands, forearms and face thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.

P271 - Use only outdoors or in a well-ventilated area.

P272 - Contaminated work clothing should not be allowed out of the workplace.

P273 - Avoid release to the environment.

P280 - Wear protective clothing, eye protection, face protection, protective gloves.

P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.

P302+P352 - IF ON SKIN: Wash with plenty of soap and water.

P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P308+P313 - IF exposed or concerned: Get medical advice.

P312 - Call a doctor if you feel unwell.

P314 - Get medical advice if you feel unwell.

P330 - Rinse mouth.

P333+P313 - If skin irritation or rash occurs: Get medical attention.

P362+P364 - Take off contaminated clothing and wash it before reuse.

P391 - Collect spillage.

P405 - Store locked up.

P501 - Dispose of contents and container to an approved waste disposal plant.

2.3. Other hazards

Adverse physicochemical, human health and environmental effects

: Suspected of causing cancer, May damage fertility or the unborn child, May cause damage to organs through prolonged or repeated exposure, Harmful in contact with skin, Harmful if swallowed, Causes mild skin irritation, May cause an allergic skin reaction, Very toxic to aquatic life with long lasting effects.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

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3.2. Mixtures

Name	Product identifier	%	Classification according to the United Nations GHS
Mancozeb Technical	CAS-No.: 8018-01-7	≥ 60 – < 65	Acute Tox. Not classified (Oral) Acute Tox. Not classified (Dermal) Acute Tox. Not classified (Inhalation:dust,mist) Skin Sens. 1, H317 Carc. 2, H351 Repr. 1B, H360 STOT RE 2, H373 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 3, H412
Metalaxyl Technical	CAS-No.: 57837-19-1	≥ 10 – < 15	Acute Tox. 4 (Oral), H302 Acute Tox. 5 (Dermal), H313 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Sens. 1, H317 Carc. 2, H351 Repr. 1B, H360 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
sodium-2-naphthalenesulfonate	CAS-No.: 532-02-5	≥ 1 – < 5	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Aquatic Acute Not classified
Sodium lignosulfonate	CAS-No.: 8061-51-6	≥ 1 – < 5	Acute Tox. Not classified (Oral) Eye Irrit. 2A, H319 Aquatic Acute Not classified

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	: Immediately remove source of contamination or move victim to fresh air. If breathing has stopped, perform artificial respiration and administer oxygen. Do not give mouth-to-mouth resuscitation if victim ingested or inhaled the substance. Keep person warm and at rest. Treat symptomatically and supportively as and when required. Obtain medical advice if necessary.
First-aid measures after skin contact	: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: Immediately flush the eyes with gently flowing lukewarm water or sodium bicarbonate solution for 20 to 30 minutes, occasionally lifting the upper and lower lids. If irritation persists, seek medical advice immediately.
First-aid measures after ingestion	: Do not induce vomiting. Never induce vomiting or give anything to drink to an unconscious person.

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

Symptoms/effects after skin contact	: Irritation. May cause an allergic skin reaction.
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4.3. Indication of any immediate medical attention and special treatment needed

No antidote available. Treat symptomatically.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Water spray. Dry powder. Foam.
- 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.
Avoid the accumulation of polluted run-off from the site.

5.2. Special hazards arising from the substance or mixture

- Explosion hazard : Not Flammable. Combustible. Dust-air mixtures may explode when in contact with moisture.
- Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

- Firefighting instructions : Remove spectators from surrounding area. Remove container from fire area if possible without risk. Eliminate all ignition sources in immediate area. Fight fire from maximum distance. For massive fire, use unmanned hose holder or monitor nozzles. Contain fire control agents for later disposal. Use a recommended extinguishing agent for the type of surrounding fire. Avoid inhaling hazardous vapours. Keep upwind. Fire may produce irritating or poisonous vapours (toxic oxides of carbon, nitrogen and sulphur) of combustion.
- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
- Personal protection (Emergency response) : Gloves, Safety glasses, Protective clothing, Wear respiratory protection



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. Do not breathe spray, dust, fume.

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 : For small liquid spills, soak up with lime, damp earth or sand, or other non-combustible absorbent material and place into containers for later disposal. For large liquid spills, contain the liquid for later disposal. In situations where product comes in contact with water, contain contaminated water for later disposal. Do not flush spilled material into drains. Keep spectators away.
- Other information : Dispose of materials or solid residues at an authorized site.

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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. Wear personal protective equipment. Do not breathe dust, fume, 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. Contaminated work clothing should not be allowed out of the workplace. 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 cool.
- Information on mixed storage : KEEP SUBSTANCE AWAY FROM: Water supplies. Food supplies.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

kaolin (1332-58-7)

South Africa - Occupational Exposure Limits (Airborne Pollutants)

Local name	Kaolin
OEL TWA	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 : Solid
- Appearance : Powder.
- Colour : Yellow.
- Odour : Odourless.
- Odour threshold : No data available
- pH : No data available

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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	: > 23.5 °C
Auto-ignition temperature	: Not applicable
Decomposition temperature	: No data available
Flammability (solid, gas)	: Non 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	: Water: 815 ppm
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)	: Harmful if inhaled.

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Metastar 700 WP (Mancozeb 600 g/kg + Metalaxyl 100 g/kg) ([8018-01-7] [57837-10-1])	
ATE ZA (oral)	906.2 mg/kg bodyweight
ATE ZA (Dermal)	2500 mg/kg bodyweight
ATE ZA (dust, mist)	1.5 mg/l/4h
Unknown acute toxicity (GHS ZA)Unknown acute toxicity (GHS ZA)	88.5% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral) 90% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal) 90% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))
Mancozeb Technical (8018-01-7)	
LD ₅₀ oral rat	> 5000 mg/kg (Rat, Oral)
LD ₅₀ dermal rat	> 10000 mg/kg (Rat, Dermal)
LD ₅₀ dermal rabbit	> 5000 mg/kg (Rabbit, Dermal)
LC ₅₀ Inhalation - Rat	> 5.14 mg/l/4h (4 hours)
Metalaxyl Technical (57837-19-1)	
LD ₅₀ oral rat	> 633 mg/kg (Rat, Oral)
LD ₅₀ oral	788 mg/kg Mice
LD ₅₀ dermal rat	> 3100 mg/kg (Rat, Dermal)
LC ₅₀ Inhalation - Rat	> 3.6 mg/l/4h
Sodium lignosulfonate (8061-51-6)	
LD ₅₀ oral	6030 mg/kg Mouse
silica, precipitated (112926-00-8)	
LD ₅₀ oral rat	> 5000 mg/kg (Rat, Oral)
Skin corrosion/irritation	: Slightly irritating
Serious eye damage/irritation	: Slight eye irritant
Respiratory or skin sensitisation	: Not a skin sensitizer
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Suspected of causing cancer.
Reproductive toxicity	: May damage fertility or the unborn child.
STOT-single exposure	: Not classified
STOT-repeated exposure	: May cause damage to organs through prolonged or repeated exposure.
Mancozeb Technical (8018-01-7)	
	May cause damage to organs through prolonged or repeated exposure.
Metalaxyl Technical (57837-19-1)	
	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	: Not classified
Metastar 700 WP (Mancozeb 600 g/kg + Metalaxyl 100 g/kg) ([8018-01-7] [57837-10-1])	
Viscosity, kinematic	Not applicable

SECTION 12: Ecological information

12.1. Toxicity

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

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

Mancozeb Technical (8018-01-7)	
LC ₅₀ - Fish [1]	1 mg/l (96 h, rainbow trout)
LC ₅₀ - Fish [2]	0.022 mg/l (96 h, fathead minnows)
EC ₅₀ - Crustacea [1]	3.8 mg/l (48 h, Daphnia magna, Measured concentration)
EC ₅₀ - Other aquatic organisms [1]	0.11 mg/l Rotifers
EC ₅₀ - Other aquatic organisms [2]	> 113 mg/l Snails
EC ₅₀ 72h - Algae [1]	0.044 mg/l
NOEC chronic fish	0.66 mg/l
Partition coefficient n-octanol/water (Log Kow)	0.26
Additional ecotoxicological information	Birds: > 5 500 (10 days) (mallard ducks); NOEL - Reproduction: 125 mg/diet; Dietary LC ₅₀ (8 days) bobwhite quail > 5 200, Reproduction 300 mg/diet bobwhite quail. Bees: LD ₅₀ (oral) > >209 µg/bee; (contact) >400 µg/bee. Earthworms: 14 days > 1 000 mg/kg soil.

Metalaxyl Technical (57837-19-1)	
LC ₅₀ - Fish [1]	> 100 mg/l Rainbow Trout
LC ₅₀ - Fish [2]	> 100 mg/l Bluegill Sunfish
EC ₅₀ - Crustacea [1]	> 28 mg/l (48h)
EC ₅₀ - Other aquatic organisms [1]	25 mg/l Mysid shrimps
EC ₅₀ - Other aquatic organisms [2]	4.6 mg/l Eastern oysters
Partition coefficient n-octanol/water (Log Pow)	1.65
Additional ecotoxicological information	Birds: Japanes quail (7 d) 923 & Mallard ducks (8 d) > 1466 mg/kg. Bees: Not toxic to bees: (48 h) contact > 200 µg/bee; (oral) 269.3 µg/bee. Earthworms: >1000 mg/kg dry soil

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

sodium-2-naphthalenesulfonate (532-02-5)	
LC ₅₀ - Fish [1]	105000 mg/l (96 h, Static system, Fresh water, Calculated value)
EC ₅₀ - Crustacea [1]	49421.05 mg/l (48 h, Daphnia magna, Static system, Fresh water, Calculated value)
EC ₅₀ 72h - Algae [1]	4767.52 mg/l (Pseudokirchneriella subcapitata, Static system, Fresh water, Calculated value)
BCF - Fish [1]	3.162 l/kg (Calculated value)
Partition coefficient n-octanol/water (Log Pow)	0.01 (Calculated)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.02 (log Koc, Calculated value)

12.2. Persistence and degradability

Metastar 700 WP (Mancozeb 600 g/kg + Metalaxyl 100 g/kg) ([8018-01-7] [57837-10-1])	
Persistence and degradability	Mancozeb: Low soil persistence with a reported half-life of 1-7days. Mancozeb rapidly and spontaneously degrades to ETU in presence of water and oxygen. Unlikely to infiltrate ground water. Mancozeb downgrades in water with a half-life of 1-2 days in slightly acidic to slightly alkaline conditions. Mancozeb used properly is not poisonous to plants. Metalaxyl: DT ₅₀ 29 days (realistic range 10 – 40 d).

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Mancozeb Technical (8018-01-7)	
Persistence and degradability	Biodegradable in the soil. No inhibition of biodegradation process in the soil.
silica, precipitated (112926-00-8)	
Persistence and degradability	Biodegradability in soil: not applicable. Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable (inorganic)
ThOD	Not applicable (inorganic)
kaolin (1332-58-7)	
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable
sodium-2-naphthalenesulfonate (532-02-5)	
Persistence and degradability	Not readily biodegradable in water.

12.3. Bioaccumulative potential

Metastar 700 WP (Mancozeb 600 g/kg + Metalaxyl 100 g/kg) ([8018-01-7] [57837-10-1])	
Bioaccumulative potential	No additional information available
Mancozeb Technical (8018-01-7)	
Partition coefficient n-octanol/water (Log Kow)	0.26
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
Metalaxyl Technical (57837-19-1)	
Partition coefficient n-octanol/water (Log Pow)	1.65
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
Sodium lignosulfonate (8061-51-6)	
Partition coefficient n-octanol/water (Log Pow)	-3.45 Source: National Institute of Technology and Evaluation
silica, precipitated (112926-00-8)	
Bioaccumulative potential	No bioaccumulation data available.
kaolin (1332-58-7)	
Bioaccumulative potential	No bioaccumulation data available.
sodium-2-naphthalenesulfonate (532-02-5)	
BCF - Fish [1]	3.162 l/kg (Calculated value)
Partition coefficient n-octanol/water (Log Pow)	0.01 (Calculated)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.02 (log Koc, Calculated value)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

12.4. Mobility in soil

Metastar 700 WP (Mancozeb 600 g/kg + Metalaxyl 100 g/kg) ([8018-01-7] [57837-10-1])	
Mobility in soil	No additional information available
Mancozeb Technical (8018-01-7)	
Partition coefficient n-octanol/water (Log Kow)	0.26

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Metalaxyl Technical (57837-19-1)

Partition coefficient n-octanol/water (Log Pow)	1.65
Ecology - soil	Not toxic to bees.

Sodium lignosulfonate (8061-51-6)

Partition coefficient n-octanol/water (Log Pow)	-3.45 Source: National Institute of Technology and Evaluation
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silica, precipitated (112926-00-8)

Ecology - soil	No (test)data on mobility of the substance available.
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sodium-2-naphthalenesulfonate (532-02-5)

Partition coefficient n-octanol/water (Log Pow)	0.01 (Calculated)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.02 (log Koc, Calculated value)
Ecology - soil	Low potential for adsorption in soil.

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.
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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 mancozeb 600 g/kg, metalaxyl 100 g/kg)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains mancozeb 600 g/kg, metalaxyl 100 g/kg)	Environmentally hazardous substance, solid, n.o.s. (contains mancozeb 600 g/kg, metalaxyl 100 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		

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according to SANS 10234:2019 and SANS 11014:2010

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 : 30/08/2022

Full text of H-statements

H302	Harmful if swallowed.
H313	May be harmful in contact with skin
H315	Causes skin irritation.
H316	Causes mild skin irritation

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Full text of H-statements

H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H351	Suspected of causing cancer.
H360	May damage fertility or the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	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.