

SECTION 1: Identification

1.1. Product identifier

Product form	: Mixture
Trade name	: Imidagel 2.15 % PC (imidacloprid 21.5 g/kg)
Type of product	: Insecticide
CAS-No.	: 138261-41-3
Product group	: End product

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

Use of the substance/mixture	: A ready-for-use insecticidal gel bait for the control of German cockroaches only in domestic dwellings.
------------------------------	---

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 5	H303
Acute toxicity (dermal), Category 5	H313
Acute toxicity (inhalation:dust,mist) Category 2	H330
Skin corrosion/irritation, Category 3	H316
Serious eye damage/eye irritation, Category 2A	H319
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

2.2. Label elements

Labelling according to the United Nations GHS

Hazard pictograms (GHS ZA)	:	  
Signal word (GHS-ZA)	:	Danger
Hazardous ingredients	:	Imidacloprid TC, Carbohydrate, silicon dioxide, amorphous, Denatonium Benzoate

Imidagel 2.15 % PC (imidacloprid 21.5 g/kg)

Safety Data Sheet

according to SANS 10234:2019 and SANS 11014:2010

Hazard statements (GHS ZA)	: H303 - May be harmful if swallowed H313 - May be harmful in contact with skin H316 - Causes mild skin irritation H319 - Causes serious eye irritation. H330 - Fatal if inhaled. 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. P260 - Do not breathe dust. P264 - Wash hands, forearms and face thoroughly after handling. P271 - Use only outdoors or in a well-ventilated area. P273 - Avoid release to the environment. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P284 - In case of inadequate ventilation wear respiratory protection. P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. 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 POISON CENTER or doctor if you feel unwell. P314 - Get medical advice/attention if you feel unwell. P320 - Specific treatment is urgent (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. P391 - Collect spillage. P403+P233 - Store in a well-ventilated place. Keep container tightly closed. 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, Harmful if inhaled, Harmful in contact with skin, Harmful if swallowed, Causes mild skin irritation, Causes serious eye irritation, Very toxic to aquatic life, Toxic to aquatic life with long lasting effects.
---	---

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to the United Nations GHS
Carbohydrate	CAS-No.: 100683-96-3	≥ 30 – < 35	Acute Tox. 5 (Oral), H303 Acute Tox. 5 (Dermal), H313 Aquatic Acute Not classified
Humectant	CAS-No.: 56-81-5	≥ 20 – < 25	Flam. Liq. Not classified Acute Tox. Not classified (Oral) Acute Tox. Not classified (Dermal) Acute Tox. 3 (Inhalation:vapour), H331 Aquatic Acute Not classified
silicon dioxide, amorphous	CAS-No.: 7631-86-9	≥ 10 – < 15	Acute Tox. Not classified (Oral) Acute Tox. 5 (Dermal), H313 Acute Tox. Not classified (Inhalation:dust,mist) Aquatic Acute Not classified

Imidagel 2.15 % PC (imidacloprid 21.5 g/kg)

Safety Data Sheet

according to SANS 10234:2019 and SANS 11014:2010

Name	Product identifier	%	Classification according to the United Nations GHS
Imidacloprid TC	CAS-No.: 138261-41-3	≥ 1 – < 5	Acute Tox. 4 (Oral), H302 Acute Tox. Not classified (Dermal) Acute Tox. Not classified (Inhalation:dust,mist) Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410
Denatonium Benzoate	CAS-No.: 3734-33-6	≥ 1 – < 5	Acute Tox. 4 (Oral), H302 Acute Tox. 5 (Dermal), H313 Acute Tox. 4 (Inhalation), H332 Acute Tox. 2 (Inhalation:dust,mist), H330 Eye Dam. 1, H318 STOT RE 2, H373 Aquatic Acute Not classified Aquatic Chronic 3, H412
Acid Blue Dye	CAS-No.: 6408-78-2	≥ 1 – < 5	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335 Aquatic Acute 3, H402 Aquatic Chronic 3, H412

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: 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. Call a poison center or a doctor if you feel unwell.
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	: If ingestion is suspected, call a physician or poison control center. Drink one or two glasses of water and induce vomiting by touching back of throat with finger, or, if available, by administering syrup of ipecac. If syrup of ipecac is available, administer 1 tablespoonful (15ml) of syrup of ipecac following by 1 to 2 glasses or water. If vomiting does not occur within 20 minutes, repeat the dose once. Do not induce vomiting or give anything by mouth to an unconscious person.

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

Symptoms/effects after inhalation	: Harmful if inhaled.
Symptoms/effects after skin contact	: Irritation.
Symptoms/effects after eye contact	: Causes serious eye irritation.
Symptoms/effects after ingestion	: May be 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.
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. Do not use direct jet of water. Contain water used for fire-fighting for later disposal. Avoid the accumulation of polluted run-off from the site.

Imidagel 2.15 % PC (imidacloprid 21.5 g/kg)

Safety Data Sheet

according to SANS 10234:2019 and SANS 11014:2010

5.2. Special hazards arising from the substance or mixture

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

5.3. Advice for firefighters

Firefighting instructions : Keep out of smoke, cool exposed containers with water spray. Fight fire from upwind position. Use self-contained breathing equipment. Contain run-off by diking to prevent entry into sewers or waterways. Equipment or materials involved in pesticide fires may become contaminated.

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 eye protection, Face-shield, Wear protective clothing



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 : Ventilate spillage area. Do not breathe dust. Avoid contact with skin, eyes and clothing.

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 unauthorized people away. Do not walk through spilled material. Avoid breathing vapors and skin contact. Wear proper protective equipment. Dike contaminated area with absorbent granules, soil, sand, etc. If large spill, material should be recovered. Small spills can be absorbed with absorbent granules, spill control pads, or any absorbent material. Carefully sweep up absorbed spilled material. Place in covered container for reuse or disposal. Scrub contaminated area with soap and water. Use dry absorbent material such as clay granules to absorb and collect wash solution for proper disposal. Contaminated soil may have to be removed and disposed. Do not allow material to enter streams, sewers, or other waterways or contact vegetation.

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 : Do not breathe dust. Use only outdoors or in a well-ventilated area. Do not get in eyes, on skin, or on clothing. 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.

Imidagel 2.15 % PC (imidacloprid 21.5 g/kg)

Safety Data Sheet

according to SANS 10234:2019 and SANS 11014:2010

Storage area	: 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

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Humectant (56-81-5)

South Africa - Occupational Exposure Limits (Airborne Pollutants)

Local name	Glycerol
OEL TWA	10 mg/m ³ mist
Regulatory reference	Government Notice No. R 904

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	: Solid
Appearance	: Paste.
Colour	: White.
Odour	: Characteristic odour.
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	: No data available
Freezing point	: Not applicable

Imidagel 2.15 % PC (imidacloprid 21.5 g/kg)

Safety Data Sheet

according to SANS 10234:2019 and SANS 11014:2010

Boiling point	: No data available
Flash point	: Not applicable
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	: 1.19
Relative density of saturated gas/air mixture	: No data available
Density	: No data available
Relative gas density	: No data available
Solubility	: No data available
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)	: May be harmful if swallowed.
Acute toxicity (dermal)	: May be harmful in contact with skin.
Acute toxicity (inhalation)	: Fatal if inhaled.

Imidagel 2.15 % PC (imidacloprid 21.5 g/kg) (138261-41-3)

ATE ZA (oral)	4013.514 mg/kg bodyweight
ATE ZA (Dermal)	3649.425 mg/kg bodyweight

Imidagel 2.15 % PC (imidacloprid 21.5 g/kg)

Safety Data Sheet

according to SANS 10234:2019 and SANS 11014:2010

Imidagel 2.15 % PC (imidacloprid 21.5 g/kg) (138261-41-3)	
ATE ZA (dust, mist)	0.2 mg/l/4h
Unknown acute toxicity (GHS ZA)Unknown acute toxicity (GHS ZA)	17.5% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral) 36.5% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal) 98.5% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))
Imidacloprid TC (138261-41-3)	
LD50 oral rat	450 mg/kg (Rat, Literature study, Oral)
LD50 dermal rat	> 5000 mg/kg (Rat, Literature study, Dermal)
LC50 Inhalation - Rat (Dust/Mist)	> 5.3 mg/l/4h
Carbohydrate (100683-96-3)	
LD50 oral rat	> 2000 mg/kg bodyweight (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, 3 h, Rat, Female, Experimental value, Oral, 14 week(s))
LD50 dermal rat	> 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 14 week(s))
Carboxymethyl ether cellulose (9000-11-7)	
LD50 oral rat	> 5000 mg/kg
Humectant (56-81-5)	
LD50 oral rat	27200 mg/kg (OECD 401: Acute Oral Toxicity, Rat, Female, Experimental value, Oral, 10 day(s))
LD50 dermal	56750 mg/kg (4 day(s), Guinea pig, Male / female, Experimental value, Dermal, 14 day(s))
LC50 Inhalation - Rat (Vapours)	> 2.75 mg/l/4h
Denatonium Benzoate (3734-33-6)	
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: EPA OPP 81-2 (Acute Dermal Toxicity), Remarks on results: other:
LC50 Inhalation - Rat (Dust/Mist)	0.2 mg/l/4h
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 (Dust/Mist)	> 5.01 mg/l/4h
Water (7732-18-5)	
LD50 oral rat	90000 mg/kg
Skin corrosion/irritation	: Causes mild 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	: Not classified
STOT-single exposure	: Not classified
Acid Blue Dye (6408-78-2)	
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	: May cause damage to organs through prolonged or repeated exposure.
Denatonium Benzoate (3734-33-6)	
NOAEL (oral, rat, 90 days)	15 mg/kg bodyweight Animal: rat, Guideline: other., Remarks on results: other:

Imidagel 2.15 % PC (imidacloprid 21.5 g/kg)

Safety Data Sheet

according to SANS 10234:2019 and SANS 11014:2010

Denatonium Benzoate (3734-33-6)

May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard : Not classified

Imidagel 2.15 % PC (imidacloprid 21.5 g/kg) (138261-41-3)

Viscosity, kinematic : Not applicable

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 : Very toxic to aquatic life.

(acute)

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

(chronic)

Imidacloprid TC (138261-41-3)

LC50 - Fish [1] : 211 mg/l (96 h, *Salmo gairdneri*)

LC50 - Fish [2] : 237 mg/l (96 h, Golden Orfe)

EC50 - Crustacea [1] : 0.055 mg/l (48 h, *Hyaella azteca*)

ErC50 algae : > 100 mg/l *Pseudokirchneriella subcapitata*

BCF - Other aquatic organisms [1] : 3.2 (Calculated value)

Partition coefficient n-octanol/water (Log Pow) : 0.57 (Estimated value)

Additional ecotoxicological information : Birds: Mallard Ducks > 5000 mg/kg LC50, Japanese Quail LD50 31 mg/kg, Bobwhite quail LC50 2225 mg/kg;
Bees: Harmful to honeybees by direct contact, but no problems expected when not sprayed into flowering crop or when used as a seed treatment;
Earthworms: LC50 for *Eisenia foetida* 10.7 mg/kg dry soil.
Soil micro-organisms: Bacteria toxicity: EC50 > 10000 mg/L; activated sludge (OECD 209)

Carbohydrate (100683-96-3)

LC50 - Fish [1] : > 100 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, *Danio rerio*, Semi-static system, Fresh water, Experimental value, GLP)

EC50 - Crustacea [1] : > 100 mg/l (OECD 202: *Daphnia* sp. Acute Immobilisation Test, 48 h, *Daphnia magna*, Semi-static system, Fresh water, Experimental value, GLP)

ErC50 algae : 231 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, *Selenastrum capricornutum*, Static system, Fresh water, Experimental value, GLP)

Humectant (56-81-5)

LC50 - Fish [1] : 54000 mg/l (96 h, *Oncorhynchus mykiss*, Static system, Fresh water, Experimental value, Lethal)

EC50 - Crustacea [1] : > 10000 mg/l (24 h, *Daphnia magna*, Static system, Fresh water, Experimental value, Locomotor effect)

Partition coefficient n-octanol/water (Log Pow) : -1.75 (Experimental value, Equivalent or similar to OECD 107, 25 °C)

Organic Carbon Normalized Adsorption Coefficient (Log Koc) : 0 (log Koc, Calculated value)

Denatonium Benzoate (3734-33-6)

LC50 - Fish [1] : > 100 mg/l Test organisms (species): *Danio rerio* (previous name: *Brachydanio rerio*)

EC50 72h - Algae [1] : 281556 mg/l Test organisms (species): *Chlorella vulgaris*

Imidagel 2.15 % PC (imidacloprid 21.5 g/kg)

Safety Data Sheet

according to SANS 10234:2019 and SANS 11014:2010

silicon dioxide, amorphous (7631-86-9)

EC50 72h - Algae [1]	> 173.1 mg/l (OECD 201: Alga, Growth Inhibition Test, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, GLP)
----------------------	---

Acid Blue Dye (6408-78-2)

LC50 - Fish [1]	12 mg/l Source: The ECOTOXicology database
Partition coefficient n-octanol/water (Log Pow)	2.22 Source: Ecological Structure Activity Relationships

Water (7732-18-5)

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

12.2. Persistence and degradability

Imidagel 2.15 % PC (imidacloprid 21.5 g/kg) (138261-41-3)

Persistence and degradability	No additional information available
-------------------------------	-------------------------------------

Carbohydrate (100683-96-3)

Persistence and degradability	Not readily biodegradable in water.
-------------------------------	-------------------------------------

carrageenan (9000-07-1)

Persistence and degradability	Readily biodegradable in water.
-------------------------------	---------------------------------

Humectant (56-81-5)

Persistence and degradability	Readily biodegradable in water.
-------------------------------	---------------------------------

Biochemical oxygen demand (BOD)	0.87 g O ₂ /g substance
---------------------------------	------------------------------------

Chemical oxygen demand (COD)	1.16 g O ₂ /g substance
------------------------------	------------------------------------

ThOD	1.217 g O ₂ /g substance
------	-------------------------------------

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)
------	----------------------------

12.3. Bioaccumulative potential

Imidagel 2.15 % PC (imidacloprid 21.5 g/kg) (138261-41-3)

Bioaccumulative potential	No additional information available
---------------------------	-------------------------------------

Imidacloprid TC (138261-41-3)

BCF - Other aquatic organisms [1]	3.2 (Calculated value)
-----------------------------------	------------------------

Partition coefficient n-octanol/water (Log Pow)	0.57 (Estimated value)
---	------------------------

Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
---------------------------	--

Carbohydrate (100683-96-3)

Bioaccumulative potential	No bioaccumulation data available.
---------------------------	------------------------------------

carrageenan (9000-07-1)

Bioaccumulative potential	Not bioaccumulative.
---------------------------	----------------------

Humectant (56-81-5)

Partition coefficient n-octanol/water (Log Pow)	-1.75 (Experimental value, Equivalent or similar to OECD 107, 25 °C)
---	--

Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0 (log Koc, Calculated value)
--	-------------------------------

Imidagel 2.15 % PC (imidacloprid 21.5 g/kg)

Safety Data Sheet

according to SANS 10234:2019 and SANS 11014:2010

Humectant (56-81-5)

Bioaccumulative potential	Not bioaccumulative.
---------------------------	----------------------

silicon dioxide, amorphous (7631-86-9)

Bioaccumulative potential	Not bioaccumulative.
---------------------------	----------------------

Acid Blue Dye (6408-78-2)

Partition coefficient n-octanol/water (Log Pow)	2.22
---	------

Water (7732-18-5)

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

12.4. Mobility in soil

Imidagel 2.15 % PC (imidacloprid 21.5 g/kg) (138261-41-3)

Mobility in soil	No additional information available
------------------	-------------------------------------

Imidacloprid TC (138261-41-3)

Partition coefficient n-octanol/water (Log Pow)	0.57 (Estimated value)
---	------------------------

Ecology - soil	Low potential for adsorption in soil.
----------------	---------------------------------------

Carbohydrate (100683-96-3)

Surface tension	61.3 mN/m (20 °C, 1 g/l, OECD 115: Surface Tension of Aqueous Solutions)
-----------------	--

Ecology - soil	No (test)data on mobility of the substance available.
----------------	---

Humectant (56-81-5)

Surface tension	63.4 mN/m (20 °C, 1000 g/l)
-----------------	-----------------------------

Partition coefficient n-octanol/water (Log Pow)	-1.75 (Experimental value, Equivalent or similar to OECD 107, 25 °C)
---	--

Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0 (log Koc, Calculated value)
--	-------------------------------

Ecology - soil	Highly mobile in soil.
----------------	------------------------

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.
----------------	---

Acid Blue Dye (6408-78-2)

Partition coefficient n-octanol/water (Log Pow)	2.22 Source: Ecological Structure Activity Relationships
---	--

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.




Imidagel 2.15 % PC (imidacloprid 21.5 g/kg)

Safety Data Sheet

according to SANS 10234:2019 and SANS 11014:2010

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 imidacloprid 21.5 g/kg)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains imidacloprid 21.5 g/kg)	Environmentally hazardous substance, solid, n.o.s. (contains imidacloprid 21.5 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

Imidagel 2.15 % PC (imidacloprid 21.5 g/kg)

Safety Data Sheet

according to SANS 10234:2019 and SANS 11014:2010

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 : 17/09/2022

Full text of H-statements	
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
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very 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.
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.