

STARPLEX 83 CC

Material Safety Data Sheet

1. IDENTIFICATION OF THE SUBSTANCE / MISTURE AND OF THE COMPANY

1.1 Product Name: ProRoach Gel

1.2 Use: Public Health, Industrial, Agriculture

1.3 Company Name:

Starplex 83 CC
Reg. No. 2004/01564/23
P.O. Box 14374
BREDELL 1623
SOUTH AFRICA
TEL: (011) 979-4246/7

1.4 Emergency Contact Numbers:

Tygerberg Poison Centre: +2721 931 6129
Griffon Poison Information Centre - 082 446 8946

2. HAZARD IDENTIFICATION

2.1 Classification of the substance and mixture:

Acute toxicity:	Cat. 5 (oral)
Hazardous to the aquatic environment - acute:	Cat. 1
Hazardous to the aquatic environment - chronic:	Cat. 1

2.2 Label elements and precautionary statement:

Pictogram:



2.3 Signal Word: Warning

2.4 Immediate Effects:

Eyes: Avoid contact with eyes. Moderately irritating to the eyes, following prolonged direct contact.

Skin: Avoid any contact with skin. Harmful if absorbed through skin. Moderately irritating to skin following prolonged exposure.

Ingestion: Do not consume product orally.

Medical Conditions aggravated by exposure:

No specific conditions, are known, which may be aggravated by exposure to this product.

Hazard Statement:

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effect.

Precautionary Statement:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

Precautionary Statement (Prevention):

P273 Avoid release into the environment.

Precautionary Statement (Response):

P391 Collect spillage

Precautionary Statement (Disposal):

P501 Dispose of contents/container to/at hazardous or special waste collection point

3. COMPOSITION INFORMATION ON INGREDIENTS:

CAS NO	HAZARDOUS COMPONENT	CONCENTRATION	GHS CLASSIFICATION
120068-37-3	Fipronil	0.05 %	Acute Tox.: Cat. 2 (Inhalation - dust) Acute Tox.: Cat. 3 (oral) Acute Tox.: Cat. 3 (dermal) STOT RE (Central nervous system): Cat. 1 Aquatic Acute: Cat. 1 Aquatic Chronic: Cat. 1

4. FIRST AID MEASURES:

General advice:	Remove contaminated clothing.
If inhaled:	Keep patient calm, remove to fresh air.
On skin contact:	Wash thoroughly with soap and water.
On contact with eyes:	Wash affected eyes for at least 15 minutes under running water with eyelids held open.
On ingestion:	Rinse mouth immediately and then drink plenty of water, induce vomiting, seek medical attention.
Note to physician:	Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11., Further important symptoms and effects are so far not known.
Treatment:	Symptomatic treatment (decontamination, vital functions).

5. FIRE FIGHTING MEASURES:

5.1 Suitable extinguishing media:	Water spray, carbon dioxide, foam, dry powder
Specific hazards:	Carbon monoxide, carbon dioxide, hydrogen chloride, hydrogen fluoride, nitrogen oxides, sulfur oxides, organochloric compounds The substances/groups of substances mentioned can be released in case of fire.
5.2 Special protective equipment:	Wear self-contained breathing apparatus and chemical-protective clothing.
Further information:	In case of fire and/or explosion do not breathe fumes. Keep containers cool by spraying with water if exposed to fire. Collect contaminated extinguishing water separately, do not allow to

reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

6. ACCIDENTAL RELEASE MEASURES:

- Personal precautions:** Use personal protective clothing. Avoid contact with the skin, eyes and clothing. Do not breathe vapour/spray.
- Environmental precautions:** Do not discharge into the subsoil/soil. Do not discharge into drains/surface waters/groundwater.
- Methods for cleaning up or taking up:**
- For small amounts:** Pick up with suitable absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr).
- For large amounts:** Dike spillage. Pump off product. Dispose of absorbed material in accordance with regulations. Collect waste in suitable containers, which can be labeled and sealed. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations.

7. HANDLING AND STORAGE:

7.1 Handling:

No special measures necessary if stored and handled correctly. Ensure thorough ventilation of stores and work areas. When using do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift.

7.2 Protection against fire and explosion:

No special precautions necessary. The substance/product is non-combustible. Product is not explosive.

7.3 Storage:

Segregate from foods and animal feeds.

Further information on storage conditions: Keep away from heat. Protect from direct sunlight.

Protect from temperatures above: 35 °C

Changes in the properties of the product may occur if substance/product is stored above indicated temperature for extended periods of time.

8. EXPOSURE CONTROL AND PERSONAL PROTECTION:

8.1 Components with occupational exposure limits:

No occupational exposure limits known.

8.2 Personal protective equipment:

- Respiratory protection:** Respiratory protection not required.
- Hand protection:** Hand protection not required.
- Eye protection:** Eye protection not required.
- Body protection:** Body protection not required.

General safety and hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended. Avoid contact with skin and eyes. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Form: Gel
Colour: Beige- Brown
Odour: Odourless
pH value: Between 5-7
Density: 1.27 g/cm³ (200 °C)
Evaporation rate: Non-flammable.
Vapour pressure: Approximately 23 hPa (200C) – Information applies to the solvent
Flash point: Product has not been tested yet. / Thus N/A.
Ignition temperature: 415 °C
Lower explosion limit:
As a result of being familiar with this product and the knowledge obtained regarding its composition, we do not expect any hazard as long as the product is used appropriately and in accordance with its intended use.
Upper explosion limit:
As a result of being familiar with this product and the knowledge obtained regarding its composition, we do not expect any hazard as long as the product is used appropriately and in accordance with its intended use.
Melting point: 10 g/l, 21 °C
Boiling point: Product has not been tested yet.
Flammability: No dangerous quantities of flammable gases will be produced by contact with water.
Viscosity dynamic: 30,189 – 30,636 mPa.s (21 °C)
Explosion hazard: Not explosive.
Fire promoting properties: Not fire-propagating
Solubility in water: Dispersible

10. STABILITY AND REACTIVITY:

10.1 Thermal decomposition:

No decomposition if stored and handled as prescribed/indicated.

10.2 Substances to avoid:

Strong bases, strong acids, strong oxidizing agents (all are seen as incompatible materials).

10.3 Conditions to avoid:

Refer to Section 7 of this SDS (Handling and Storage).

10.4 Possible hazardous reactions:

No hazardous reactions if stored and handled as prescribed/ indicated.

10.5 Hazardous decomposition products:

No hazardous decomposition products if stored and handled as prescribed/indicated.

11. TOXICOLOGICAL INFORMATION:

11.1 Acute toxicity:

Substance is of low toxicity after single ingestion. Virtually non-toxic after single skin contact.

Virtually non-toxic by inhalation.

LD50 rat (oral) male / female: 4 400 mg/kg (OECD guideline 401)
LD50 rat (dermal contact) male/female: > 5 000 mg/kg (OECD guideline 402)
LC50 rat (inhalation) male/ female: Product has not been tested for this purpose.

0.36 mg/l 4 h (dust aerosol tested). Statement has been derived from the properties of the individual components.

11.2 Irritation effect:

Skin irritant: Not a skin irritant. As tested on rabbits.

Eye irritant: Not irritating to the eyes (test animal: rabbit) and no serious damage to the eyes were perceived either.

11.3 Respiratory/ Skin sensitization:

Assessment of sensitization: There is no evidence of a skin-sensitizing potential. Skin sensitizing effects were not observed in animal studies (guinea pigs).

No skin-sensitizing potential observed.

Germ cell mutagenicity, Carcinogenicity, Reproductive toxicity, developmental toxicity:

Results of the assessment of the above four points of importance:

The product has not been tested for these purposes. Thus the statement has been derived from the properties of the individual components.

Results: Mutagenicity – No genotoxic potential was determined.

Carcinogenicity – In long-term studies in rats, the substance induced thyroid tumours.

The effect is caused by an animal specific mechanism, which has no human counterpart. Long-term studies on mice (fed with substance), a carcinogenic effect was not observed.

Reproductive toxicity – No indication was given of fertility being impaired by the substance.

Developmental toxicity- Animal studies gave no indication of a developmental toxic effect at doses that were not toxic to the parental animals.

Repeated dosages of the substance fed to the test animals cause mortality and signs of neurotoxicity.

12. ECOLOGICAL INFORMATION:

Ecotoxicity

Aquatic toxicity: Very toxic to aquatic life, with long lasting effects (product not tested for this as such, but statement was derived from properties of individual components).

Toxicity to fish:

Bluegill LC50 (96 h) 0.0852 mg/l

Toxicity to aquatic invertebrates:

Daphnia magna/EC50 (48 h): 0.19 mg/l

Mysidopsis bahia/ LC50 (48h): 0.00017 mg/l

Toxicity to birds:

Japanese quail LD50: 1 124 mg/kg

Persistence and degradability

Assessment biodegradation and elimination (H2O):

The product has not been tested. The statement has thus been derived from the properties of the individual components.

Information on: Fipronil

Assessment biodegradation and elimination (H₂O): Not readily biodegradable (according to OECD criteria).

13. DISPOSAL CONSIDERATIONS:

Must be disposed of or incinerated in accordance with local regulations.

13.1 Contaminated packaging: Contaminated packaging should be emptied as best possible and disposed of in a similar way to that of the substance/product itself. Destroy the empty container by perforating and flattening it and then dispose of it as toxic waste in accordance with local/international regulations. DO NOT re-use for any other purpose.

14. TRANSPORT INFORMATION:

Land transport

ADR

UN no.: 2588
UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (contains Fipronil)
Transport hazard class/es: 9, EHSM
Packing group: III
Environmental hazard: Yes
Special precautions for user: Tunnel code: E

RID

UN no.: 2588
UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (contains Fipronil)
Transport hazard class/es: 9, EHSM
Packing group: III
Environmental hazard: Yes
Special precautions for user: None known

Inland waterway Transport

ADN

UN no.: 2588
UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (contains Fipronil)
Transport hazard class/es: 9, EHSM
Packing group: III
Environmental hazard: Yes
Special precautions for user: None known

Sea Transport

IMDG

UN no.: 2588
UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (contains Fipronil)
Transport hazard class/es: 9, EHSM
Packing group: III
Environmental hazard: Yes
Marine Pollutant: Yes
Special precautions for user: None known

Air Transport

ICAO/IATA:

UN no.: 2588
UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (contains Fipronil)
Transport hazard class/es: 9, EHSM
Packing group: III
Environmental hazard: Yes
Special precautions for user: None known

15. REGULATORY INFORMATION:

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture:

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

15.2. Chemical Safety Assessment

Advice on product handling can be found in sections 7 and 8 of this safety data sheet.

16. OTHER INFORMATION:

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.