
STARPLEX 83 CC

Material Safety Data Sheet

Revised on: 1 June 2017

Revision number 3

1. Substance/preparation and company identification

Aircraft Aerosol

Use: Public Health, Insecticide

Company:

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

Emergency contact numbers

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

2. Composition/information on ingredients

Chemical nature

Hazardous ingredients

Permethrin	
Permethrin (pyrethroid)	20 g/kg
CAS Number: [52645-53-1]	

3. Hazard identification

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. First-aid measures

General advice:

Avoid contact with the skin, eyes and clothing. Remove contaminated clothing. If difficulties occur: Obtain medical attention. Show container, label and/or safety data sheet to physician.

If inhaled:

Keep patient calm, remove to fresh air, and seek medical attention.

On skin contact:

After contact with skin, wash immediately with plenty of water and soap. If irritation develops, seek medical attention.

On contact with eyes:

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

On ingestion:

Immediately rinse mouth and then drink plenty of water, do not induce vomiting, seek medical attention.

Note to physician:

Treatment: Treat according to symptoms (decontamination, vital functions). The product contains a pyrethroid and must not be confused with organophosphorous compounds

5. Fire-fighting measures

Suitable extinguishing media:

Water spray, water fog, carbon dioxide, foam

Specific hazards:

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. Remove contaminated clothes, undergarments and shoes immediately.

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.

Cleaning operations should be carried out only while wearing breathing apparatus. Dispose of absorbed material in accordance with regulations. Collect waste in suitable containers, which can be labelled and sealed. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations.

7. Handling and storage

Handling

No special measures necessary if stored and handled correctly. Ensure thorough ventilation of stores and work areas.

Protection against fire and explosion:

The product is combustible. Vapors may form ignitable mixture with air. Prevent electrostatic charge - sources of ignition should be kept well clear - fire extinguishers should be kept handy.

Storage

Segregate from foods and animal feeds.

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

Storage stability:

Storage duration: 24 Months

Protect from temperatures above: 40 °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 controls and personal protection

Personal protective equipment

Respiratory protection:

Breathing protection if gases/vapours are formed. Wear respiratory protection if ventilation is inadequate. Gas filter EN141 Type A for gases/vapours of organic compounds (boiling point >65 °C).

Hand protection:

Suitable chemical resistant safety gloves also with prolonged, direct contact

E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), polyvinylchloride (0.7 mm) and other.

Eye protection:

Tightly fitting safety goggles (splash goggles)

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit

General safety and hygiene measures:

Take off immediately all contaminated clothing. Store work clothing separately. Keep away from food, drink and animal feeding stuffs. No eating, drinking, smoking or tobacco use at the place of work. Hands and/or face should be washed before breaks and at the end of the shift.

9. Physical and chemical properties

Form:	Liquefied gas
Specific gravity:	1.29 g/ml
Flash point:	100 °C
Melting point:	34-35 °C
Boiling point:	>100 °C
Solubility in water:	Insoluble in water

10. Stability and reactivity

Conditions to avoid: Extremes of temperature and direct sunlight.

Non-hazardous reactions when stored and handled according to prescribed instructions.

11. Toxicological information (active ingredient)

LD₅₀/oral/rat/male/female: 430 mg/kg / - 4000mg/kg

LC₅₀/by inhalation/rat/male/female: 2.3 mg/l / 4 h

LD₅₀/dermal/rat/male/female: 4000 mg/kg

Skin irritant: Not a skin irritant.

Sensitization/guinea pig: Mild skin sensitizer.

12. Ecological information

Ecotoxicity

Toxicity to fish:
Rainbow trout/LC₅₀ (96 h): 0.009 mg/l

Bluegill LC₅₀ (96 h): 1.8 µg/l

Aquatic invertebrates:
Daphnia magna/LC₅₀ (48 h): 0.6 µg/l

Toxicity to birds:
Mallard duck LD₅₀ : >9800mg/kg

Persistence and degradability

Degradation in soil and water are rapid.

Additional information

Other ecotoxicological advice:
Do not discharge product into the environment.

13. Disposal considerations

Must be dumped or incinerated in accordance with local regulations.

Contaminated packaging:
Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

Destroy the empty container by perforating and flattening and dispose of as toxic waste in accordance with local/international regulations. DO NOT re-use for any other purpose.

14. Transport information

Land transport

ADR: Not dangerous goods

RID: Not dangerous goods

ADNR: Not dangerous goods

IMDG: Not dangerous goods

GGVS: Not dangerous goods

ICAO/IATA: Not dangerous goods

15. Regulatory information

Regulations of the European union (Labelling) / National legislation/Regulations

WHO classification III

R-phrase(s)
R 22, 36/38, 51

S-phrase(s)
S 2, 3, 13, 24/25, 37

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.
