

## STARPLEX 83 CC

### Safety Data Sheet

#### 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY

**Product Name:**

Aircraft Aerosol

**Use:** Insecticide

**Company Name:**

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

**Emergency Contact Numbers:**

Griffon Poison Information Centre - 082 446 8946

#### 2. HAZARD IDENTIFICATION

**Important hazards:**

GHS classification of the mixture	
Hazard classes / categories	Hazard codes
Aerosols 1	H222
	H229
Aspiration Toxicity 1	H304
Skin Irritant 2	H315
Skin Sensitiser 1	H317
Aquatic Chronic 1	H410

**GHS classification:** Uncategorized

**Hazard pictogram:**



**Signal word:** Danger

**Hazard statements:**

H222: Extremely flammable aerosol.

H229: Pressurized container: may burst if heated.

H304: May be fatal if swallowed and enters airways.  
H315: Causes skin irritation.  
H317: May cause an allergic skin reaction.  
H410: Very toxic to aquatic life with long lasting effects.

**Other hazards:**

No additional hazards identified.

**Precautionary statements:**

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P211: Do not spray on an open flame or other ignition source.  
P251: Do not pierce or burn, even after use.  
P264: Wash hands and face thoroughly after handling.  
P273: Avoid release into the environment.  
P280: Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.  
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER.  
P302+P352: IF ON SKIN: Wash with plenty of water and non-abrasive soap.  
P331: Do NOT induce vomiting.  
P333+P313: If skin irritation or rash occurs: Get medical advice.  
P362+P364: Take off contaminated clothing and wash it before reuse.  
P391: Collect spillage.  
P405: Store locked up.  
P410+P403 Protect from sunlight. Store in a well-ventilated place.  
P501: Dispose of content/container to suitable landfill in accordance with local regulations.

**3. COMPOSITION INFORMATION ON INGREDIENTS:**

CAS NO	HAZARDOUS COMPONENT	CONCENTRATION	GHS CLASSIFICATION
52645-53-1	Permethrin	2 %	H302: Acute Toxicity 4 H317: Skin Sensitizer 1 H332: Acute Toxicity 4 H400: Aquatic Acute 1 H410: Aquatic Chronic 1
Mixture	Blend of Ethanol/Isopropanol	> 10%	H225: Flammable Liquid 2 H304: Aspiration Toxicity 1 H315: Skin Irritant 2 H336: Specific Target Organ Toxicity Single Exposure 3 H400: Aquatic Acute 1 H410: Aquatic Chronic 1
Mixture	Fluorocarbon 134a	> 80%	H220: Flammable gas H280: Pressurized gas (Liquid)

#### 4. FIRST AID MEASURES:

##### Description of 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:

Wash with plenty of water and non-abrasive soap. If skin irritation or rash occurs: Get medical advice.

##### 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:

Rinse mouth and then drink plenty of water. Immediately call a POISON CENTER. Do NOT induce vomiting.

##### 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:

##### Extinguishing media

##### 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 CONTROL 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:**

<b>Form:</b>	Liquefied gas
<b>Colour:</b>	Yellow to brown
<b>Odour:</b>	Odourless
<b>Specific gravity:</b>	1.29 g/mℓ
<b>Flash point:</b>	100 °C
<b>Melting point:</b>	34-35 °C
<b>Boiling point:</b>	>100 °C
<b>Solubility in water:</b>	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.

**Chemical Stability:**

Stable under normal storage and handling conditions.

**Possibility of Hazardous Reactions:**

No potential for hazardous reactions known.

**Conditions to Avoid:**

Excessive heat, sources of ignition. Open flame.

**Incompatible Materials:**

Strong acids and bases

**Hazardous Decomposition Products:**

Thermal decomposition may produce toxic carbon and nitrogen oxides. May release flammable gases in a fire.

**11. TOXICOLOGICAL INFORMATION:**

**Toxicity of Formulated Product:**

According to the information at hand, this product is not calculated as toxic or harmful through oral, dermal or inhalation routes.

## 12. ECOLOGICAL INFORMATION:

### Ecotoxicity

<b>Toxicity to fish:</b>	Rainbow trout/LC50 (96 h): 0.009 mg/ℓ Bluegill LC50 (96 h): 1.8 µg/ℓ
<b>Aquatic invertebrates:</b>	Daphnia magna/LC50 (48 h): 0.6 µg/ℓ
<b>Toxicity to birds:</b>	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 :

<b>UN NUMBER:</b>	1950
<b>Class:</b>	2
<b>PROPER SHIPPING NAME:</b>	Aerosols

## 15. REGULATORY INFORMATION:

### 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.

### 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.