

STARPLEX 83 CC

Material Safety Data Sheet

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

1.1 Product Name: Ultrakill Roach Spray

1.2 Use: Pest Control Operators Only

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

GHS classification:

Acute toxicity (oral), Category 3, H301

Hazardous to the aquatic environment: Chronic hazard, Category 1, H410

Label:



Signal word: Danger

Hazard statements:

H301 Toxic if swallowed.

H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements:

P264 Wash thoroughly after handling.

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

P273 Avoid release to the environment.

P391 Collect spillage.

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local regulation

3. COMPOSITION INFORMATION ON INGREDIENTS:

CAS NO	HAZARDOUS COMPONENT	CONCENTRATION	GHS CLASSIFICATION
114-26-1	Propoxur	20 %	H301: Toxic if swallowed H400: Very toxic to aquatic life H410: Very toxic to aquatic life with long lasting effects

4. FIRST AID MEASURES:

- 4.1 General advice:** Move out of dangerous area.
If the patient is likely to become unconscious, place and transport in stable sideways position.
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:** Immediately remove contaminated clothing, including shoes. Wash affected area with plenty of water and soap. SPEED IN REMOVING LIQUID FROM SKIN IS FO PRIME IMPORTANCE. Obtain Medical treatment.
- On contact with eyes:** Flush eyes with water for 15 minutes. Hold eyelids open while washing. Consult an eye specialist.
- On ingestion:** Do not induce vomiting. Wash out mouth with water. Call doctor immediately.
- 4.2 Note to physician:** The active ingredient in this product is a carbamate poison.
- 4.3 Symptoms of poisoning:**
- Local:** Temporary blurred vision due to contraction of the pupils (miosis) following contact with the eyes.
- Systemic:** Sweating, salivation, flushing, dizziness, abdominal pain, discomfort in the chest, muscle twitching, convulsions, respiratory failure, nausea, headache, vomiting, diarrhoea, hypotensive effect, blurred vision.
- Treatment:** Monitoring of respiratory and cardiac functions and central nervous system. Monitoring of the blood picture, Observe specific parameters: red blood cells and plasma cholinesterase. ECG – monitoring (Electrodiagram) Endotracheal intubation should be done and gastric lavage performed, followed by administration of charcoal. Keep airway clear, administer artificial respiration if necessary. Against convulsions; give diazepam: for adults 5-10 mg intravenously as necessary until fully sedated: for children 2.5mg i.v.

Treatment for adults: For all cases a high dose of atropine (2 to 4mg repeated every 10 to 15 minutes as needed).

Contradictions: oximes(pralidoxime, oblidoxime), succinyl choline, aminophylline

5. FIRE FIGHTING MEASURES:

5.1 Suitable extinguishing media: Water spray, water fog, carbon dioxide, foam

5.2 Specific hazards:

Special protective equipment: Wear self-contained breathing apparatus and chemical-protective clothing.

5.3 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:

6.1 Personal precautions: Use personal protective clothing. Avoid contact with the skin, eyes and clothing. Remove contaminated clothes, undergarments and shoes immediately.

6.2 Environmental precautions: Decomposes in a fire to emit toxic fumes of Cl-. 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 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.

7.2 Protection against fire and explosion:

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

7.3 Storage:

Segregate from foods and animal feeds.

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

7.4 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:

8.1 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

8.2 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:	Liquid, clear
Colour:	Slightly yellowish
Odour:	Aromatic
Crystallization point:	<-600C DIN ISO 3016
Initial Boiling Point:	91°C at 1.013 hPa
Vapour pressure:	3kPa at 20°C, 13kPa at 50 °C, 85 kPa at 55 °C
Density:	Approx. 1.049 g/cm ³ at 20°C
Solubility in water:	Emulsifiable
Partition coefficient:	log P octanol/water propoxur: 1,56
Viscosity:	39.7 sec Discharge time at 20°C ISO 2431
Flash point:	63°C
Auto ignition:	415°C

10. STABILITY AND REACTIVITY:

10.1 Conditions to avoid: Extremes of temperature and direct sunlight.
Non-hazardous reactions when stored and handled according to prescribed instructions.

11. TOXICOLOGICAL INFORMATION:

LD50/oral/rat/male/female: 250 mg/kg
LD50/dermal/rat/male/female: >5000 mg/kg
Skin irritant: Slightly irritant.
Eye irritant: Moderately irritant.
Sensitization/guinea pig: Mild skin sensitizer.

12. ECOLOGICAL INFORMATION:

12.1 Ecotoxicity

Toxicity to fish:
Rainbow trout/LC50 (96 h): 4-14 ppm
Carp LC50 (96 h): 10-40 ppm
Golden orfe LC50(96h): 12 ppm

12.2 Aquatic invertebrates:

Daphnia magna/LC50 (48 h): 0.15 mg/l

12.3 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.

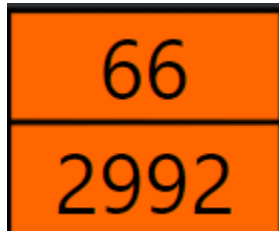
Destroy the empty container by perforating and flattening and dispose of as toxic waste in accordance with local/international regulations. DO NOT re-use for any other purpose.

14. TRANSPORT INFORMATION:

UN No. 2992
NAME and description CARBAMATE PESTICIDE, LIQUID, TOXIC
Class 6.1
Classification code T6
Packing group I
Labels 6.1



Hazardous Identification Number:



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.