
STARPLEX 83 CC

Material Safety Data Sheet

Revised on: 1 January 2017

Revision number 5

1. Substance/preparation and company identification

Ultrakill RoachForce

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

Hydramethylnon

Content (W/W): 2 %
CAS Number: [67485-29-4]
Hazard symbol(s): T, N
R-phrases: 22, 36, 37, 38

3. Hazard identification

Harmful: danger of serious damage to health by prolonged exposure if swallowed.

Harmful: may cause lung damage if swallowed.

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

Avoid eye contact

Avoid skin contact

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), no known specific antidote.

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 labeled 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. Vapours 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: Opaque brown

Density: 1.10 g/cm³

Specific gravity: 1.44g/ml

Flash point: 94 °C

Melting point: 62 °C

Boiling point: >100 °C

Solubility in water: 0.005 to 0.007mg/l; soluble in acetone, chlorobenzene, methanol, xylene and ethanol.

10. Stability and reactivity

Thermal decomposition:
No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:
No substances known that should be avoided.

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

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

11. Toxicological information

LD₅₀/oral/rat/male/female: > 2000 mg/kg

LC₅₀/by inhalation/rat/male/female: > 5 mg/l / 4 h

LD₅₀/dermal/rat/male/female: > 2000 mg/kg

Skin irritant: Not a skin irritant.

Sensitization/guinea pig: Skin sensitizing effects were not observed in animal studies.

Eye irritant: Not an eye irritant.

12. Ecological information

Ecotoxicity

Toxicity to fish:
Rainbow trout/LC₅₀ (96 h): 0.16 mg/l

Bluegill LC₅₀ (96 h): 1.7mg/l
Very little risk is expected due to the low solubility in water and rapid degradation in sunlight.

Aquatic invertebrates:
Daphnia magna/EC₅₀ (48 h): 0.06 mg/l

Toxicity to birds:
Mallard duck LD₅₀ : >2150mg/kg
Bobwhite quail LD₅₀: >1828mg/kg

Persistence and degradability

Hydramethylnon is rapidly degraded in sunlight by photolysis, the half-life is about 1 hour; microorganisms may also contribute to degradation.

Additional information

Other ecotoxicological advice:

Do not discharge product into the environment without control.

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

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.
