

STARPLEX 83 CC

Material Safety Data Sheet

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

1.1 Product Name: Ultrakill RoachForce

1.2 Use: Public Health, Industrial, Farming Community

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 Hazard Classification:

6.8B, 6.9B, 9.1A



2.2 Signal Word: WARNING

2.3 Hazard Statements:

H361 Suspected of damaging fertility or the unborn child
H373 May cause damage to organs through prolonged or repeated exposure
H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements (Prevention):

Wear protective gloves/clothing/eye protection. Do not breathe dust or mist.
Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood

2.4 Precautionary Statements (Response):

Get medical advice/attention if you feel unwell.

IF exposed or concerned: Call a POISON CENTER or doctor/physician. Collect spillage.

Precautionary Statements (Storage):

Store locked up.

2.5 Other hazards which do not result in classification:

See section 12 - Results of PBT and vPvB assessment.

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

3. COMPOSITION INFORMATION ON INGREDIENTS:

CAS NO	HAZARDOUS COMPONENT	CONCENTRATION	GHS CLASSIFICATION
67485-29-4	Hydramethylnon	2 %	Acute Tox.: Cat. 4 (Inhalation - dust) Acute Tox.: Cat. 4 (oral) Eye Dam./Irrit.: Cat. 2A Repr.: Cat. 1B (fertility) STOT RE: Cat. 1 Aquatic Acute: Cat. 1 Aquatic Chronic: Cat. 1

4. FIRST AID MEASURES:

- 4.1 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.
- 4.2 Note to physician:** Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

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:

Do not discharge into the subsoil/soil. Do not discharge into drains/surface waters/groundwater.

6.3 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.

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:	Opaque brown
Density:	1.10 g/cm ³
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:**10.1 Thermal decomposition:**

No decomposition if stored and handled as prescribed/indicated.

10.2 Substances to avoid:

No substances known that should be avoided.

10.3 Hazardous reactions:

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

10.4 Hazardous decomposition products:

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

11. TOXICOLOGICAL INFORMATION:**11.1 Toxicological information Hydramethylnon Technical:**

Acute oral LD50:	1131 mg/kg
Acute dermal LD50:	>5000 mg/kg (rabbit)
Acute inhalation LC50:	75 mg/kg (28 days)

11.2 Toxicological information Formulated product:

LD50/oral/rat/male/female:	56 550 mg/kg
LD50/dermal/rat/male/female:	250 000 mg/kg
LC50/by inhalation/rat/male/female:	3750 mg/l / 4 h
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:

12.1 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

12.2 Persistence and degradability:

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

12.3 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.

13.1 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:

ADG

UN number 3077

Transport hazard class(es) 9

Subsidiary Risk None

Packaging group III

Description of the goods ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
SOLID, N.O.S.
(HYDRAMETHYLNON MIXTURE)

IMDG

UN number 3077
Transport hazard class(es) 9
Subsidiary Risk None
Packaging group III
Marine pollutant YES
Description of the goods ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
SOLID, N.O.S.
(HYDRAMETHYLNON MIXTURE)

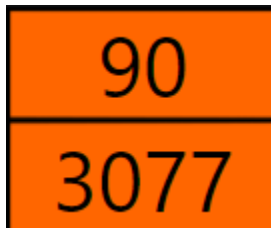
IATA

UN number 3077
Transport hazard class(es) 9
Subsidiary Risk None
Packaging group III
Environm. Hazardous Mark YES
Description of the goods ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
SOLID, N.O.S.
(HYDRAMETHYLNON MIXTURE)

Label: 9



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.