

Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name:

Ultramatic Fly & Mosquito Killer

Use: Public Health / Industrial

Company Name:

Coopers Manufacturing 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: (+27)82 446 8946

2. HAZARD IDENTIFICATION

Important hazards:

GHS classification of the mixture	
Hazard classes / categories	Hazard codes
Aerosols 1	H222
	H229
Eye irritation 2	H319
Specific Target Organ Toxicity Single Exposure 3	H336
Aquatic Chronic 2	H411

GHS classification: Not classified as toxic according to GHS.

Hazard pictograms:



Signal word: Danger

Hazard statements:

H222: Extremely flammable aerosol.
H229: Pressurised container: may explode if heated.
H319: Causes serious eye irritation.
H336: May cause drowsiness & dizziness.

H411: Toxic to aquatic life with long lasting effects.

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.

P261: Avoid breathing mist, vapours and spray.

P264: Wash hands and face thoroughly after handling.

P271: Use only outdoors in a well-ventilated area.

P273 Avoid release to the environment.

P280: Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.

P305+351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312: Call a poison centre if you feel unwell.

P337+P313: If eye irritation persists: Get medical advice.

P391: Collect spillage.

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

P410 + P412: Protect from sunlight. Do not expose to temperatures exceeding 50°C.

P501 Dispose of contents/container in accordance with local regulations.

3. COMPOSITION INFORMATION ON INGREDIENTS:

CAS NO	HAZARDOUS COMPONENT	CONCENTRATION	GHS CLASSIFICATION
8003-34-7	Pyrethrins	1.5 %	H302: Acute Toxicity 4 H312: Acute Toxicity 4 H332: Acute Toxicity 4 H400: Aquatic Acute 1 H410: Aquatic Chronic 1
51-03-6	Piperonyl Butoxide	15 %	H400: Aquatic Acute 1 H410: Aquatic Chronic 1
64-17-5	Alcohol	> 30 %	H225: Flammable liquids 2
74-98-6	Hydrocarbon propellant	> 40 %	H223: Flammable aerosol. H229: Pressurised container: may burst if heated.

4. FIRST AID MEASURES:

If difficulties occur: Obtain medical attention. Show container, label and/or safety data sheet to physician.

If inhaled: If irritation occurs remove to fresh air and seek medical attention.

- On skin contact:** If irritation occurs wash immediately with plenty of water and soap.
- On contact with eyes:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice.
- 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:

Flammable gas under pressure.

Flashpoint of propellant: 60 °C

Violent rupture of containers involved in a fire, possible. Vapours of propellant are heavier than air, may travel along the ground and be ignited at remote location and flash back.

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

Specific hazards:

Special protective equipment: Wear self-contained breathing apparatus and chemical-protective clothing. Water fog to be used to keep undamaged containers cool in a fire.

Skin contact with liquid propellant may cause frostbite and serious corneal damage. High airborne concentrations of propellant may cause irritation to eyes and skin. The propellant reacts vigorously with oxidising agents. No unprotected person should be allowed in this vicinity. Evacuation of area may be necessary in a fire. Water spray must be used to disperse accumulating vapour punctured cans. Contain liquid run-off with temporary earth barriers. The material is toxic to fish, bees and other beneficial insects.

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.

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. 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: 50 °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. Adequate ventilation. Wash exposed skin area, face and hands after use.

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 contained under pressure in an aerosol can.
Colour:	Clear light brown
Odour:	Chemical odour
Flash point for solvent:	65-70 °C
Flash point for propellant:	60 °C
Solubility:	Pyrethrins are readily insoluble in water, miscible with most organic solvent.

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:

Formulated product toxicity:

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:

Pyrethrin

Toxicity to fish

Coho Salmon/LC50 (96 h):	39 mg/l
Channel cat fish LC50 (96 h):	114 mg/l

Piperonyl butoxide

Carp LC50(24): 5.3mg/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:

Pyrethrins are rapidly degraded in sunlight by photolysis, the half life is about 10 mins.

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:

UN Number: 1950
Class: 2.1
Proper Shipping Name: 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.