

SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name:

Ultramatic Fly 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: 082 446 8946
Poison Information Centre: 0861 555 777

2. HAZARDS IDENTIFICATION

SANS 10234:2008 & EC 1272/2008 [EU-GHS/CLP]		
Hazard classes	Hazard categories	Hazard codes
Aerosols	Category 1	H222
		H229
Eye irritation	Category 2	H319
Specific Target Organ Toxicity Single Exposure	Category 3	H336
Aquatic Acute	Category 2	H401
Aquatic Chronic	Category 2	H411

Hazard pictograms:



Signal word: Danger

Hazard statements:

H222: Extremely flammable aerosol.
H229: Pressurised container: may explode if heated.
H319: Causes serious eye irritation.

SAFETY DATA SHEET

H336: May cause drowsiness & dizziness.
H401: Toxic to aquatic life.
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+P265: Wash hands and face thoroughly after handling. Do not touch eyes.
P273: Avoid release to the environment.
P280: Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P317: If eye irritation persists: Get medical help.
P391: Collect spillage.
P403+P233: Store in a well-ventilated place. Keep container tightly closed.
P405: Store locked up.
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:

CHEMICAL NAME	CAS NO	CONCENTRATION (% m/m)	GHS CLASSIFICATION
Pyrethrum	8003-34-7	1.5 %	Acute Toxicity 4 (oral) (H302) Acute Toxicity 4 (dermal) (H312) Acute Toxicity 4 (inhalation) (H332) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)
Piperonyl Butoxide	51-03-6	15 %	Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)
Alcohol	67-63-0	< 30 %	Flammable liquids 2 (H225) Eye Irritation 2 (H319) STOT SE 3 (H336)
Hydrocarbon propellant	74-98-6	> 40 %	Flammable aerosol (H223) Pressurised container: may burst if heated (H229)

SAFETY DATA SHEET

4. FIRST AID MEASURES:

If difficulties occur:	In the event of any complaints or symptoms, avoid further exposure and obtain medical advice immediately. Show container, label and/or safety data sheet to physician.
If inhaled:	Remove to fresh air and keep comfortable for breathing. If irritation occurs, seek medical attention.
On skin contact:	Remove contaminated clothing and shoes. Wash with plenty of water and soap. Seek medical attention if irritation occurs.
On contact with eyes:	Rinse cautiously with water for at least 15 – 20 minutes. Lift eyelids to facilitate irrigation. Check for and remove contact lenses after 5 minutes and continue rinsing. If eye irritation persists, get medical advice.
On ingestion:	Immediately rinse mouth and then drink plenty of water. Do not give anything by mouth to an unconscious person. Do not induce vomiting unless instructed to do so by a poison control center or doctor. Seek medical attention if the person feels unwell.

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.

Unsuitable extinguishing media: None known.

Specific hazards: Pyrethrum decomposes in a fire to emit fumes of CO and CO₂.

Special fire-fighting procedures: Remove spectators from the surrounding fire. Isolate the fire area and evacuate all personnel downwind of the fire. Fight fire from maximum distance and use unmanned hose holder or monitor nozzles. Remain upwind of fire. Avoid inhaling hazardous vapours and fumes from burning materials. Remove containers from fire area if possible and without risk. Do not scatter the burning material due to contamination risk. 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 local regulations.

Personal protective equipment: Wear NIOSH / MSHA approved self-contained breathing apparatus and full protective equipment to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES:

Personal precautions: Avoid contact with eyes, skin and clothing. Avoid breathing fumes, vapours or spray. Ventilate area of spill or leak especially in contained areas.

Protective equipment: Refer to Section 8 for personal protective equipment to be worn during containment and clean-up of a spill involving this product.

Emergency procedures: Evacuate unprotected personnel and animals. Alert firefighting personnel in case of a large spill.

Environmental precautions: Prevent spilled product from entering sewers, waterways or ground water.

Methods and materials for containment: Contain spilled product by diking area with sand or earth.

SAFETY DATA SHEET

Methods and materials for clean up: Soak up spillage with dry sand, shovel up carefully and place the material in a clean, dry and sealable container. Label container with the contents and dispose of as for toxic waste in accordance with local/national regulations. DO NOT burn. To decontaminate the spill area, tools and equipment, wash with water and suitable detergent. Collect wash water and add to the drums already collected. Do not flush spilled material or wash water into drains or waterways.

7. HANDLING AND STORAGE:**Handling:**

Precautions for safe handling: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking when handling the product. Do not spray on an open flame or other ignition source. Do not pierce or burn the aerosol can, even after use. Avoid breathing mist, vapours and spray. Wash hands and face thoroughly after handling. Do not touch eyes.

General occupational hygiene: Practice good hygiene when using this material. Avoid contact with eyes. Wash hands before eating, drinking, chewing gum, smoking, using the toilet or applying cosmetics. Workers should shower at the end of each workday. Launder all clothing before it is reused.

Storage:

Conditions for safe storage: Keep under lock and key and out of reach of unauthorised persons, children and animals. Store in its original, labelled container, tightly closed in a dry, cool and well-ventilated area. Do not store near heat, open flame, sources of ignition or hot surfaces. Not to be stored next to foodstuffs, feed and water supplies. Avoid cross contamination with other pesticides and fertilizers.

Incompatible substances and mixtures: None known.

Packaging material: Steel aerosol can.

8. EXPOSURE CONTROL AND PERSONAL PROTECTION:

Permissible concentration: No occupational exposure limits have been determined for significant ingredients in this product.

Engineering controls: It is essential to provide adequate ventilation. The measures appropriate for a particular worksite depend on how this material is used and on the extend of exposure.

Local exhaust: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OELs or other specified exposure limits. Local exhaust ventilation systems are preferred. Ensure that control systems are properly designed and maintained. Comply with occupational safety, environmental, fire and other applicable regulations.

Personal Protective Equipment:

Respiratory protection: For most well-ventilated conditions, no respiratory protection should be needed. If used in poorly ventilated area, wear a NIOSH approved self-contained breathing apparatus or respirator with cartridges approved for organic vapours.

Skin protection: The use of chemically protective rubber gloves is recommended to prevent against skin contact.

Eye protection: Safety goggles should be worn whenever working with chemicals.

Emergency eye wash: Where there is any possibility that an employee's eyes may be exposed to this substance, the employer should provide an eye wash fountain or appropriate alternative within the immediate work area for emergency use.

SAFETY DATA SHEET

9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance:	Clear, light brown liquid contained under pressure in an aerosol can.
Odour:	Chemical odour
Odour threshold:	Not known
pH (1% aqueous dilution):	Not available
Melting point:	Not known
Freezing point:	Not known
Boiling point:	Not known
Flash point:	60 °C
Flammability:	Flammable
Upper/lower explosion limits:	Not known
Vapour pressure (mm Hg):	Not available
Relative vapour density:	Not available
Density / Relative density:	Not available
Solubility:	Pyrethrins are readily insoluble in water, miscible with most organic solvents.
n-octanol/water partition coefficient:	Not known
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity:	Not applicable

10. STABILITY AND REACTIVITY:

Chemical stability: The product is stable for two years at ambient temperature and pressure, under normal storage and handling conditions. Avoid storage under extreme temperatures and conditions. Store below 50 °C, preferably below 30 °C and not for prolonged periods in direct sunlight.

Reactivity: None known

Possibility of hazardous reactions: Unlikely to occur.

Conditions to avoid: Extreme heat or exposure to flames.

Incompatible materials: Alkaline materials.

Hazardous decomposition products: Pyrethrin decomposes in a fire to emit fumes of CO and CO₂.

11. TOXICOLOGICAL INFORMATION:

ACUTE TOXICITY:

Calculated according to GHS guidelines:

Oral LD₅₀:	> 5000 mg/kg (rat)
Dermal LD₅₀:	> 5000 mg/kg (rabbit)
Inhalation LC₅₀:	> 20 mg/ℓ/4 hr (rat)

Skin Irritation / Corrosion:	Not calculated.
Eye Damage / Irritation:	Causes serious eye irritation.
Skin Sensitization:	Not calculated.
Respiratory Sensitization:	Not calculated.

SAFETY DATA SHEET

Germ Cell Mutagenicity:	Not calculated.
Carcinogenicity:	Not calculated.
Reproductive Toxicity:	Not calculated.
STOT – Single Exposure:	May cause drowsiness & dizziness.
STOT – Repeat Exposure:	Not calculated.
Aspiration Hazard:	Not calculated.
Chronic Effects:	None known.

POTENTIAL ADVERSE EFFECTS:

A stuffy, runny nose and scratchy throat from inhalation is the most common adverse effect.

12. ECOLOGICAL INFORMATION:

This product is very toxic to aquatic life and is considered a marine pollutant.

ECOTOXICITY DATA: (for Pyrethrin technical material)

Fish:

LC ₅₀ (96 h):	Coho salmon	39 mg/ℓ
	Channel cat fish	114 mg/ℓ

Birds:

LD ₅₀	Mallard ducks	> 10 000 mg/kg
------------------	---------------	----------------

Aquatic invertebrates:

EC ₅₀ (48 h)	Daphnia magna	12 µg/ℓ
-------------------------	---------------	---------

Bees:

Toxic to bees, but exhibits a repellent effect.

LD₅₀ (oral) 22 ng/bee

LD₅₀ (contact) 130 – 290 ng/bee

ENVIRONMENTAL EFFECTS: (for Pyrethrin technical material)

Plants: Not available.

Persistence and degradability: Pyrethrin is rapidly degraded in sunlight by photolysis, the half life is about 10 minutes.

Bio-accumulative potential: Not available.

Mobility in soil: Not available.

Other adverse effects: None known.

13. DISPOSAL CONSIDERATIONS:

Waste: Open burning or burning of this pesticide is prohibited. Waste resulting from the use of this pesticide cannot be reused or re-processed. Never pour untreated waste or surplus product into public sewers or where there is any danger of run-off or seepage into water systems. Do not contaminate

SAFETY DATA SHEET

rivers, dams or any other water source with the product or used containers. Comply with local regulations applying to waste disposal. The product may be taken to a registered waste disposal site.

Container: Empty pesticide aerosol canisters contain traces of the active ingredients and are thus categorized as hazardous waste. It may not be buried or burned because of the highly flammable propellants in the formulation. Dispose of via an approved collector or recycler (www.croplife.co.za).

14. TRANSPORT INFORMATION:

UN Number: 1950
Road Transport ADR / ORD:
Class: 2.1
Packaging group: None
UN Proper Shipping Name: Aerosols

Maritime Transport IMDG / IMO:

Class: 2.1
Packaging group: None
UN Proper Shipping Name: Aerosols
Marine pollutant: Yes

Air Transport IATA / ICAO:

Class: 2.1
Packaging group: None
UN Proper Shipping Name: Aerosols

Special / Environmental Precautions: Wedge drums tightly to avoid movement.

Transport in bulk: Refer to MARPOL 73/78, Annex II and the IBC code.

15. REGULATORY INFORMATION:

Safety, health and environmental regulations / legislation for the mixture:

OSHA 2021 Regulations for Hazardous Chemical Substances.

Relevant information regarding the restrictions: None.

EU Regulation: Regulation EC1272/2008 (EU-GHS/CLP).

Other national regulations: None.

Chemical Safety Assessment carried out? No.

16. OTHER INFORMATION:

Packaging: Packed in 270 ml aerosol canisters and labelled according to South African regulations and guidelines.

Other hazard statements, abbreviations and explanations:

H223: Flammable aerosol.



Revised on: 17/10/2025
Revision number 10
Next revision: October 2028
Ultramatic Fly Killer

SAFETY DATA SHEET

H229: Pressurized container: may burst if heated.

H302: Harmful if swallowed.

H312: Harmful in contact with skin.

H332: Harmful if inhaled.

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road.

IATA: International Air Transport Association.

IBC: International Bulk Chemical.

ICAO: International Civil Aviation Organization.

IMDG: International Maritime Dangerous Goods.

IMO: International Maritime Organization.

LD₅₀ value: The median lethal dose or the amount of a toxic agent that is sufficient to kill 50 percent of a population within a certain period of time.

OEL/RL: Occupational exposure limit-recommended limit.

PEL: Permissible exposure limits.

TWA: Time-weighted average – the average exposure over a specified period, usually a nominal eight hours.

ST/STEL: Short-term exposure limits.

STOT: Single target organ toxicity.

Disclaimer:

The data contained in this safety data sheet is based on our current knowledge and experience and describe the product only with regard to safety requirements. The information on this sheet is not a specification; it does not guarantee specific properties. 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. All information is given in good faith but without guarantee in respect of accuracy, and no responsibility is accepted for errors and omissions or the consequence thereof. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

END OF DOCUMENT