

SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: ULTRAKILL ALL PURPOSE AEROSOL

Use: Public health

Manufacturer:

Coopers Manufacturing
Reg. No. 2004/01564/23
P.O. Box 14374
BREDELL 1623
SOUTH AFRICA
TEL: (+2711) 979-4246/7

Emergency Contact Numbers:

Griffon Poison Information Centre: (+27) 82 446 8946
Poison Information Centre: 0861 555 777

2. HAZARDS IDENTIFICATION

SANS 10234:2008, Regulation EC 1272/2008 [EU-GHS/CLP]		
Hazard classes	Hazard categories	Hazard codes
Aerosols	Category 1	H222 & H229
Skin irritation	Category 2	H315
Skin sensitization	Category 1	H317
Eye irritation	Category 2	H319
Aspiration toxicity	Category 1	H304
STOT Single Exposure	Category 3	H336
Aquatic Chronic	Category 1	H410

Hazard pictograms:



Signal word: Danger

SAFETY DATA SHEET

Hazard statements:

H222: Extremely flammable aerosol.
H229: Pressurized container: may burst if heated.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H304: May be fatal if swallowed and enters airways.
H336: May cause drowsiness or dizziness.
H400: Very toxic to aquatic life.
H410: Very 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.
P301+P316: IF SWALLOWED: Get emergency medical help immediately.
P302+P352: IF ON SKIN: Wash with plenty of water and non-abrasive soap.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P331: Do NOT induce vomiting.
P332+P317: If skin irritation occurs: Get medical help.
P333+P317: If skin irritation or rash occurs: Get medical help.
P337+P317: If eye irritation persists: Get medical help.
P362+P364: Take off contaminated clothing and wash it before reuse.
P391: Collect spillage.
P405: Store locked up.
P410 + P412: Protect from sunlight. Do not expose to temperatures exceeding 50°C.
P501: Dispose of content/container to suitable landfill in accordance with local regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS:

Substance / Mixture: Mixture

SAFETY DATA SHEET

Composition:

Chemical Name	CAS No.	Concentration	GHS classification
Cyfluthrin	68359-37-5	0.025%	<i>Minute quantity does not affect the formulation hazards</i>
Propoxur	114-26-1	1%	Acute Tox. 3 (H301) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)
Dichlorvos	62-73-7	0.5%	Acute Tox. 3 (H301) Acute Tox. 3 (H311) Skin Sens. 1 (H317) Acute Tox. 2 (H330) Aquatic Acute 1 (H400)
Solvent	Proprietary mixture	>25%	Flam. Liquid 2 (H225) Skin Irrit. 2 (H315) Asp. Tox. 1 (H304) STOT SE 3 (H336) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)
Orthoformic acid triethyl ester	122-51-0	<2%	Flam. Liquid 3 (H226)
Acetone	67-64-1	>5%	Flam. Liquid 2 (H225) Eye Irrit. 2 (H319) STOT SE 3 (H336)

4. FIRST AID MEASURES:

Skin contact:	Remove contaminated clothing and shoes. Wash skin thoroughly with plenty of non-abrasive soap and cold water or shower. Obtain medical attention if skin irritation occurs.
Eye contact:	Flush eyes with clean water for at least 15 - 20 minutes. Lift eyelids to facilitate irrigation. If present, remove contact lenses after 5 minutes and continue rinsing. If eye irritation persists, get medical advice.
Ingestion:	Get medical help if swallowed. Do not give anything by mouth to an unconscious person. If the person is alert, rinse mouth thoroughly with water. Do NOT induce vomiting.
Inhalation:	Remove person from contaminated area to fresh air and keep comfortable for breathing.
Symptoms of poisoning:	May cause an allergic skin reaction, causes serious eye irritation, may cause drowsiness or dizziness. May be fatal if swallowed and enters airways (aspiration hazard).
Note to physician:	Treat symptomatically. Keep the patient under observation for at least 48 hours.

SAFETY DATA SHEET

5. FIRE FIGHTING MEASURES:

Suitable extinguishing media:	Use carbon dioxide or dry chemical for small fires and water spray for large fires.
Unsuitable extinguishing media:	High volume water jet due to contamination risk. Product is a marine pollutant.
Specific hazards:	The decomposed material emits toxic and corrosive fumes.
Special fire-fighting procedures:	Personnel involved in a fire situation with this material should wear self-contained breathing apparatus as toxic and corrosive fumes may be given off. No unprotected person should be allowed in the vicinity. Remove spectators from the surrounding area. Fight fire from maximum distance and remain upwind from fire. Avoid inhaling hazardous vapours and fumes from burning material. Do not scatter the burning material. Water must be contained for later disposal.
Personal protective equipment:	Wear NIOSH / MSHA approved self-contained breathing apparatus and full protective gear.

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 after accidental contact. 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:	Alert firefighting personnel, evacuate unprotected personnel and animals.
Environmental precautions:	Do not discharge into the subsoil or soil. Prevent spilled product from entering drains, sewers, waterways or groundwater.
Methods and material for containment:	Cover contained spill with an inert absorbent material such as sand, vermiculite or soil. Vacuum, scoop or sweep up and place into a clean, dry, sealable container. Label containers with the contents and dispose of according to local regulations. Do not place spilled material back in original container. Do not re-use spilled material. Do not flush spilled material or wash water into drains or waterways. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations. Cleaning operations should be carried out only while wearing prescribed personal protective equipment.

SAFETY DATA SHEET

7. HANDLING AND STORAGE:

Handling:

Precautions for safe handling:

Prevent contact with the skin and eyes. Wear rubber gloves when handling aerosol. Wash thoroughly with soap and water after accidental contact. Ensure adequate ventilation when handling the product. Keep containers closed when not in use. Immediately clean up spills that occur during handling.

General occupational hygiene:

Practice good hygiene when using this material. 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 re-used.

Note: During application and when cleaning protective clothing, contamination of all sources of drinking water, rivers, dams, other crops or grazing shall be prevented. The material is toxic to aquatic life.

Storage:

Conditions for safe storage:

Keep under lock and key and out of reach of unauthorized people, children and animals. Store away from food and foodstuffs. Avoid cross contamination with other pesticides and fertilizers. The product must be stored in its original, labelled container, tightly closed in an isolated, dry, cool and well-ventilated area.

Incompatible substances and mixtures:

None known.

Packaging material:

HDPE Plastic bottles.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

Permissible concentration:

Components	Exposure limits	Type of exposure limit	Source
Dichlorvos	1 mg/m ³	8-hour TWA STEL (C)	www.osha.gov

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 extent of exposure.

Local exhaust: Provide general or local exhaust ventilation systems to maintain airborne concentrations below exposure limits. Local exhaust ventilation is 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 (airborne concentration exceeds exposure limits), use a dust mask.

Hand Protection: The use of nitrile rubber gloves is recommended to prevent against skin contact.

SAFETY DATA SHEET

Skin and Body Protection: Employees must wear protective clothing and rubber boots to prevent repeated or prolonged skin contact with this product.

Eye Protection: The use of chemical safety goggles or a face shield is recommended to prevent eye contact. Contact lenses are not protective eye devices.

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

9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance: Yellow to brown liquified gas.

Odour: Characteristic odour.

Odour threshold: Not available.

pH (1% solution): Not established.

Melting point: Not available.

Freezing point: Not available.

Boiling point: Not available.

Flash point: > 45° C.

Flammability: Flammable.

Upper / lower limits: Not available.

Vapour pressure (mm Hg): Not available.

Relative vapour density: Not available.

Density / Relative density: Not available.

Solubility: Not established.

n-octanol / water partition coefficient: Not available.

Auto-ignition temperature: Not applicable.

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: None known.

Hazardous decomposition products: Carbon monoxide, carbon dioxide or nitrous oxide fumes may form under burning conditions.

11. TOXICOLOGICAL INFORMATION:

ACUTE TOXICITY: Based on GHS calculations

Acute oral LD₅₀: > 5000 mg/kg

SAFETY DATA SHEET

Acute dermal LD₅₀: > 5000 mg/kg (not classified)
Acute inhalation LC₅₀: > 5 mg/ℓ/4 hr (not classified)

Skin irritation / corrosion: Causes skin irritation.

Eye irritation / damage: Causes serious eye irritation.

Skin sensitization: May cause an allergic skin reaction.

Respiratory sensitization: Not calculated.

Germ cell mutagenicity: Not calculated.

Carcinogenicity: Not calculated.

Reproductive toxicity: Not calculated.

Specific target organ toxicity – single exposure: May cause drowsiness or dizziness.

Specific target organ toxicity – repeated exposure: Not calculated.

Aspiration hazard: May be fatal if swallowed and enters airways.

Chronic effects: Not expected.

12. ECOLOGICAL INFORMATION:

No ecological problems are expected when the product is handled and used with due care.

13. DISPOSAL CONSIDERATIONS:

Waste: Open dumping or burning of this product is prohibited. Waste resulting from the use of this product cannot be reused or reprocessed. Do not contaminate rivers, dams or any other water sources with the product or used containers. Comply with local legislation applying waste disposal. The product may be taken to a registered waste disposal site or incineration plant.

Container: Empty pesticide aerosol canisters cannot be cleaned effectively and can contain traces of active ingredients. It is thus categorized as hazardous waste. Burying or burning of empty aerosol canisters is a criminal offense. It may be extremely hazardous to puncture or burn empty aerosol canisters because of the highly flammable propellants used to dispense the contents. Disposal of empty canisters should be in accordance with local legal provisions.

14. TRANSPORT INFORMATION:

UN Number: 1950

Road Transport ADR / ORD:

Class: 2

Packing group: III

UN Proper Shipping Name: Aerosols

Maritime Transport IMDG / IMO:

Class: 2

SAFETY DATA SHEET

Packing group: III
UN Proper Shipping Name: Aerosols
Marine pollutant: Yes

Air Transport IATA / ICAO:
Class: 2
Packing group: III
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 specific for the substance or mixture:

OHSA 2021 Regulations for Hazardous Chemical Substances.

Relevant information regarding restrictions: None.

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

Chemical Safety Assessment carried out? No.

16. OTHER INFORMATION:

Packaging: Packed in 325 ml metal aerosol cans labelled according to South African regulations and guidelines.

Other hazard statements, abbreviations and explanations:

H225: Highly flammable liquid and vapour.

H226: Flammable liquid and vapour.

H301: Toxic if swallowed.

H330: Fatal if inhaled.

H331: Toxic if inhaled.

H400: Very toxic to aquatic life.

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.

SAFETY DATA SHEET

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