SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: ULTRAKILL FLY BAIT

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**
Acute Toxicity	Category 4	H302
Carcinogenic	Category 2	H351
Aquatic Chronic	Category 1	H410

Hazard pictograms:



Signal word: Warning
Hazard statements:
H302: Harmful if swallowed.
H351: Suspected of causing cancer.
H410: Very toxic to aquatic life with long lasting effects.

Precautionary statements:
P203: Obtain, read and follow all safety instructions before use.
P264: Wash hands and face thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.
P273: Avoid release into the environment.
P280: Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.
P301 + P317: IF SWALLOWED: Get medical help.
P330: Rinse mouth.
P391: Collect spillage.
P405: Store locked up.
P501: Dispose of content/container to suitable landfill in accordance with local regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS:

Substance / Mixture: Mixture

Composition:

Chemical Name	CAS No.	Concentration	GHS classification
Methomyl	16752-77-5	1 %	Acute Tox. 2 (H300) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)
Tricosene	27519-02-4	>0.05 %	Skin sensitization 1B (H317)
Bitrex	3734-33-6	<0.05%	Acute Tox. 4 (H302) Eye Dam 1 (H318) Acute Tox. 4 (H332)
Methylene chloride	75-09-2	<0.2%	Carcinogenic 2 (H351)

4. FIRST AID MEASURES:

Skin contact: Remove contaminated clothing and shoes. Wash skin thoroughly with plenty of 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.

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.

Inhalation: Remove person from contaminated area to fresh air and assist breathing if needed.

Symptoms of poisoning: May cause headache, fatigue, faintness, giddiness, nausea, excessive sweating, abdominal pain, vomiting, blurred vision, muscle twitching, small pupils and respiratory distress. Symptoms of poisoning may develop after several hours.

Note to physician:	Administer Atropine sulphate 2 to 4 mg (adult) intravenously. Repeat every 10 minutes until signs of atropinization occur (dry, flushed skin and tachycardia). Pralidoxime (2 PAM, Protopam) and other oximes are contra-indicated. Keep the patient under observation for at least 48 hours.

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. 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:

Pick up with an electrically protected vacuum cleaner or scoop or sweep up material and place the material in 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.

7. HANDLING AND STORAGE:

Handling:

Precautions for safe handling:

Harmful if swallowed. Prevent consumption or contact with the skin. Wear rubber gloves when handling or mixing bait. Wash thoroughly with soap and water after accidental contact. Do not handle broken packages without protective equipment. 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 equipment and protective clothing, contamination of all sources of drinking water, rivers, dams, other crops or grazing shall be prevented. The material is toxic to fish, birds and wildlife.

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. Apply **Ultrakill Fly Bait** on it's own; do not mix with other pesticides.

Packaging material:

HDPE Plastic bottles.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

Permissible concentration

Components	Exposure limits	Type of exposure limit	Source
Methomyl	2,5 mg/m^3	REL-TWA	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.
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, free flowing, sugar-like granules.
Odour: Slightly sulphurous.
Odour threshold: Not available.
pH (1% solution): Not available.
Melting point: Not available.
Freezing point: Not available.
Boiling point: Not available.
Flash point: Not available.
Flammability: Not flammable.
Upper / lower limits: Not available.
Vapour pressure (mm Hg): Not available.
Relative vapour density: Not available.
Density / Relative density: Not available.
Solubility: Methomyl technical: 58 mg/ℓ in water at 25 °C.
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, nitrous oxide or sulphur oxide fumes may form under burning conditions.

11. TOXICOLOGICAL INFORMATION:

ACUTE TOXICITY: Based on GHS calculations

Acute oral LD_{50}: > 400 mg/kg
Acute dermal LD_{50}: > 5000 mg/kg (not classified)
Acute inhalation LC_{50}: > 20 mg/ℓ/4 hr (not classified)

Skin irritation / corrosion: Not calculated.
Eye irritation / damage: Not calculated.
Skin sensitization: Not calculated.
Respiratory sensitization: Not calculated.
Germ cell mutagenicity: Not calculated.
Carcinogenicity: Suspected of causing cancer.
Reproductive toxicity: Not calculated.
Specific target organ toxicity – singe exposure: Not calculated.
Specific target organ toxicity – repeated exposure: Not calculated.
Aspiration hazard: Not calculated.

Chronic effects: Not expected.

12. ECOLOGOCAL INFORMATION:

ECOTOXICITY DATA: Based on Methomyl active ingredient

Fish:

LC_{50} (96 h)	Rainbow trout	3.4 mg/ℓ
LC_{50} (96 h)	Bluegill	0.9 mg/ℓ

Daphnia:

LC_{50} (48 h) 31.7 µg/ℓ

Algae:

EC_{50} (72 h) 60 mg/ℓ

Birds:

LD_{50} (oral)	Mallard ducks	15.9 mg/kg
LD_{50} (oral)	Pheasants	15.4 mg/kg

Bees:

LD_{50} (contact) 0.1 µg/bee
Toxic to bees but not hazardous when the spray has dried.

Worms:

LC_{50} (14 d) 23 mg/kg dry soil.

ENVIRONMENTAL EFFECTS: Based on Methomyl active ingredient
Plants: DT_{50} following leaf application *c.* 3 – 5 days. Rapidly degraded to CO_2 and acetonitrile, with incorporation into natural plant components.
Persistence and degradability: Methomyl decomposes rapidly in soil. DT_{50} in groundwater samples < 0.2 d.
Bio-accumulative potential: Does not bio-accumulate.
Mobility in soil: Not available.
Other adverse effects: Very toxic to aquatic life with long lasting effects. Do not discharge product into sewers, waterways or municipal water systems.

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. 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 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: Rinse the empty containers three times in succession with a volume of water equal to a quarter of that of the container. Destroy empty containers by perforation and flattening and dispose of in accordance with local/national regulations. DO NOT bury, burn or donate the container to any other parties that may use it as a container for food or beverages.

14. TRANSPORT INFORMATION:

UN Number: **3077**

Road Transport ADR / ORD:
Class: 9
Packing group: III
UN Proper Shipping Name: Environmentally Hazardous Substance, Solid, N.O.S. (**Methomyl 1%**)

Maritime Transport IMDG / IMO:
Class: 9
Packing group: III
UN Proper Shipping Name: Environmentally Hazardous Substance, Solid, N.O.S. (**Methomyl 1%**)
Marine pollutant: Yes

Air Transport IATA / ICAO:
Class: 9
Packing group: III
UN Proper Shipping Name: Environmentally Hazardous Substance, Solid, N.O.S. (**Methomyl 1%**)

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 500 g, 1 kg, 2 kg and 20 kg plastic containers and labelled according to South African regulations and guidelines.

Other hazard statements, abbreviations and explanations:
H300: Fatal if swallowed.
H317: May cause an allergic skin irritation.
H318: Causes serious eye damage.
H332: Harmful 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.
LD_{50} 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.

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