

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Ultrakill Rat and Mouse Wax Blocks

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, Regulation EC 1272/2008 [EU-GHS/CLP]		
Hazard classes	Hazard categories	Hazard codes
STOT RE	Category 2	H373

Hazard pictograms:



Signal word: Warning

Hazard statements:

H373: May cause damage to organs (blood) through prolonged or repeated exposure.

Precautionary statements:

P319: Get medical help if you feel unwell.

P501: Dispose of content/container to suitable landfill in accordance with local regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS:

Substance / Mixture: Mixture

CHEMICAL NAME	CAS NO	CONCENTRATION	GHS CLASSIFICATION
Flocoumafen	90035-08-8	0.005 %	Acute Toxicity 1 (oral) (H300) Acute Toxicity 1 (dermal) (H310) Acute Toxicity 1 (inhalation) (H330) Specific Target Organ Toxicity Repeated Exposure 1 (Blood) (H372) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)
Bitrex	3734-33-6	< 1%	H302: Acute Toxicity 4 H318: Eye Damage 1 H332: Acute Toxicity 4

4. FIRST AID MEASURES:

Skin contact: Wash thoroughly with soap and water.

Eye contact: Wash affected eyes for at least 15 minutes under running water with eyelids held open. Get medical help if necessary.

If inhaled: Remove to fresh air. However, due to the physico-chemical properties of the product highly unlikely to be an inhalation concern.

If ingested: Rinse mouth immediately and then drink plenty of water, seek medical attention. Never give anything by mouth if the victim is unconscious or having convulsions. Do not induce vomiting unless told to by a poison control center or doctor.

Note to physician: The product contains a blood coagulation inhibitor. Treat symptomatically (decontamination, vital functions).

Antidote: Administer Vitamin K1 preparation as antidote.

Symptoms of human poisoning: Tiredness, loss of appetite, coagulation disorders.

5. FIRE FIGHTING MEASURES:

Suitable Extinguishing Media: Use carbon dioxide or dry chemical for small fires and water fog or water foam for large fires.

Unsuitable Extinguishing Media: Carbon dioxide.

Specific Hazards: Flocoumafen decomposes in a fire to emit toxic fumes of hydrogen fluoride, oxides of carbon and nitrogen oxides.

Special Fire-fighting Procedures: Remove spectators from surrounding area. Isolate the fire area and evacuate all personnel downwind of the fire. Fight fire from maximum distance. 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 burning material. Water can be used to cool unaffected containers but must be contained for later disposal. Contain fire control agents for later disposal.

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 the skin, eyes and clothing. Remove contaminated clothes, undergarments and shoes immediately. Avoid dust formation.

Protective equipment: Wear appropriate personal protection (rubber boots, safety goggles, and rubber gloves) when collecting spill. Only wear a NIOSH approved self-contained breathing apparatus or respirator if conditions warrant.

Emergency procedures: Evacuate unprotected personnel and animals.

Environmental precautions: Do not discharge into the soil or subsoil. Do not discharge into drains, surface waters or groundwater.

Methods and Materials for Containment: Sweep or shovel product up.

Methods and Materials for Clean-up: Cover contained spill with an inert absorbent material such as sand, vermiculite, earth or other appropriate material. Vacuum, scoop, or sweep up material and place the material 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. Collect washings and add to the drums already collected. Do not flush spilled material or washings into drains or waterways. To decontaminate the spill area, tools and equipment, wash with water and suitable detergent.

7. HANDLING AND STORAGE:

Handling:

Precautions for safe handling: No special measures necessary if stored and handled correctly. If dead and/or dying rats or mice are found during and after the control program, these must be cleared away immediately in order to avoid secondary poisoning phenomena. Do not apply the rodenticide in the open – cover bait points or use bait boxes. Do not handle broken packages without protective equipment. Immediately clean up spills that occur during handling. Keep containers closed when not in use. In the case of contact with the product referred to First Aid Measures – Section 4.

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. Worker should shower at the end of each workday. Launder all clothing before it is re-used.

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 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: Incompatible with alkaline materials.

Packaging material: HDPE plastic containers or buckets.

8. EXPOSURE CONTROL AND PERSONAL PROTECTION:

Permissible concentration:

No occupational exposure limits have been determined for the 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 extent of exposure.

Local exhaust: Provide local exhaust ventilation systems. 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 required.

Hand Protection: The use of nitrile rubber gloves is recommended for the safe handling of this product and for protection against rodent-borne diseases.

Skin and Body Protection: Employees must wear protective clothing and rubber boots.

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:	Blue solid wax block.
Odour:	Pleasant odour.
Odour threshold:	Not available.
pH (1% aqueous dilution):	Not available.
Melting point:	Not available.
Freezing point:	Not available.
Boiling point:	Not available.
Flash point:	Not available.
Flammability:	Not flammable.
Upper / lower explosion limits:	Not available.
Vapour pressure (mm Hg):	Not available.
Relative vapour density:	Not available.
Density / relative density:	Not available.
Solubility:	Insoluble in water.
n-octanol / water partition coefficient:	Not available.
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: Flocoumafen decomposes in a fire to emit toxic fumes of hydrogen fluoride, oxides of carbon and nitrogen oxides.

11. TOXICOLOGICAL INFORMATION:

ACUTE TOXICITY:

Calculated according to GHS guidelines:

Oral LD₅₀: > 5000 mg/kg (rat)

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Dermal LD₅₀: > 5000 mg/kg (rabbit)
Inhalation LC₅₀: >5 mg/ℓ/4 hr (rat)

Skin Irritation / Corrosion: Not calculated.
Eye Damage / Irritation: Not calculated.
Skin Sensitization: Not calculated.
Respiratory Sensitization: Not calculated.
Germ Cell Mutagenicity: Not calculated.
Carcinogenicity: Not calculated.
Reproductive Toxicity: Not calculated.
STOT – Single Exposure: Not calculated.
STOT – Repeat Exposure: May cause damage to organs (blood) through prolonged or repeated exposure.
Aspiration Hazard: Not calculated.
Chronic Effects: None known.

POTENTIAL ADVERSE EFFECTS:

Tiredness, loss of appetite, coagulation disorders.

12. ECOLOGICAL INFORMATION:

ECOTOXICITY DATA: Based on Flocoumafen active ingredient.

Fish:

LC₅₀ (96 h) Rainbow trout 0.091 mg/ℓ

Daphnia:

LC₅₀ (48 h) 0.66 mg/ℓ

Birds:

LD₅₀ (oral) Japanese quail > 300 mg/kg

Bees:

No information.

ENVIRONMENTAL EFFECTS: Based on Flocoumafen active ingredient

Plants: No information.

Persistence and degradability: Flocoumafen is not likely to be a hazard to the environment when used as recommended. Major metabolites are 4-Hydroxycoumarin and Bromobiphenyl dihydronaphthalene fraction. DT₅₀ (days) - 50 days.

Bio-accumulative potential: Accumulation in organisms is expected.

Mobility in soil: Adsorption to solid soil particles is probable, therefore not considered to be mobile in soil.

Other adverse effects: None known.

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 discard 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: Not regulated

Not classed i.e. considered non-hazardous material according to UN Orange Book and international transport codes e.g. RID (rail), ADR (road) and IMDG (sea).

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 85 g cardboard box as well as 500 g; 2.5 kg; 5 kg and 10 kg plastic containers. Labelled according to South African regulations and guidelines.

Other hazard statements, abbreviations and explanations:

H300: Fatal if swallowed.

H302: Harmful if swallowed.

H310: Fatal in contact with skin.

H318: Causes serious eye damage.

H330: Fatal if inhaled.

H332: Harmful if inhaled.

H372: Causes damage to organs (blood) through prolonged or repeated exposure.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

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.

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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 RE: Single target organ toxicity, repeat exposure.

STOT SE: Single target organ toxicity, single exposure.

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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