

INNOVATIVE PEST MANAGEMENT IPM (PTY) LTD

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UPDATED BY: Avima (Pty) Ltd
UPDATED: SEPTEMBER 2022

SAFETY DATA SHEET RODEX LIQUID BAIT

SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY / UNDERTAKING

Product Name: RODEX LIQUID BAIT
Product description: A highly active anticoagulant liquid bait concentrate for the control of the Norway rat (*Rattus norvegicus*), roof rat (*Rattus rattus*) and the house mouse (*Mus musculus*).
Registration Identifier: L9289 Rodex Liquid Bait
Product Type: Rodenticide

Relevant identified uses of the substance or mixture and uses advised against
Relevant uses: Rodenticide

Details of the supplier of the safety data sheet

Innovative Pest Management (Pty) Ltd
Co. Reg. Nr.: 2001/00587/07
18 Aschenberg Street
Chamdor
Krugersdorp
+27 11 769 1300

Emergency telephone number

Griffon Poison Information Centre
(24 Hour Poisoning Emergency Helpline)
+27(0)82 446 8946

SECTION 2: HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture.

The product is a mixture of Brodifacoum and water

Hazard statement code	Hazard class & category	Hazard statement
H300	Acute oral tox. 1	Fatal if swallowed
H310	Acute dermal tox. 1	Fatal in contact with skin
H360	Repr. 1A	May damage fertility or the unborn child
H372	STOT RE 1	Causes damage to organs through prolonged or repeated exposure
H410	Aquatic chronic 1	Very toxic to aquatic life with long lasting effects

This product is classified as reproductive since Brodifacoum is classified as reproductive according to the EU Regulation.

2.2 Label elements

Hazard pictograms:



Signal Word: Danger

Hazard Statements:

H300 – Fatal if swallowed.
H310 – Fatal in contact with skin.
H360 – May damage fertility or the unborn child.
H372 – Causes damage to organs through prolonged or repeated exposure.
H410 – Very toxic to aquatic life with long lasting effects.

Precautionary Statements:

P202 – Do not handle until all safety precautions have been read and understood.
P260 – Do not breathe mist, vapours and spray.
P262 – Do not get in eyes, on skin, or on clothing.
P264 – Wash hands and face thoroughly after handling.
P270 – Do not eat, drink or smoke when using this product.
P273 – Avoid release to the environment.
P280 – Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.
P301+310 – IF SWALLOWED: Immediately call a POISON CENTER.
P302+350 – IF ON SKIN: Gently wash with plenty of soap and water.
P308+313 – If exposed or concerned: Get medical attention.
P322 – Specific measures (see supplemental first aid instructions on this label).
P330 – Rinse mouth.
P361 – Take off contaminated clothing and wash before reuse.
P391 – Collect spillage.
P405 – Store locked up.
P501 – Dispose of content/container to suitable landfill in accordance with local regulations.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Inert	CAS no.	Concentration (%)	Hazard class	Hazard statement code
Brodifacoum	56073-10-0	0.075	Acute oral tox. 1 Acute dermal tox. 1 Acute inhalation tox. 1 STOT RE 1 Aquatic acute 1 Aquatic chronic 1 Repr. 1A	H300 H310 H330 H372 H400 H410 H360D
Water	7732-18-5	<20	Not classified	-
Propylene glycol	57-55-6	<50	Not classified	-
Tetrasodium salt of EDTA	10378-23-1	>1.5	Acute oral tox. 4 Eye dam. 1	H302 H318
Vanillin	121-33-5	>1.0	Eye irrit. 2	H319

SECTION 4: FIRST AID MEASURES

Description of first aid measures:

Inhalation:	Remove patient from further exposure to fresh air.
Skin contact:	Remove contaminated clothing and shoes. Wash contaminated skin with plenty of soap and water. Launder contaminated clothing before re-use.
Eye contact:	First, rinse with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.
Ingestion:	If swallowed induce vomiting by tickling the back part of the throat. Repeat until vomit is clear. Take patient IMMEDIATELY to nearest physician.

NOTE TO PHYSICIAN:

Intravenous Vitamin K1, 10 – 20 mg depending on prothrombin time. In severe cases small transfusions of fresh blood.

SECTION 5: FIREFIGHTING MESURES

Flash Point:	N/A
Flammability:	N/A
Auto ignition Temperature:	N/A
Decomposition Temperature:	Not available
Acute Hazards:	Unlikely in normal use.
Special fire-fighting procedures:	If a leak or spill has not ignited, use water spray to disperse the vapours and to protect personnel attempting to stop leak. Water spray may be used to flush spills away from exposures. Prevent run-off from fire control or dilution from entering streams, sewers, or drinking water supply.
Special protective equipment:	Do not breathe fumes. For fires in enclosed areas, fire fighters must use self-contained breathing apparatus, as well as full protective gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Notification procedures:	Report spills as required to appropriate authorities.
Procedures if material is released or spilled:	Absorb on fire retardant treated sawdust, diatomaceous earth, sand, peat sorb, etc. Shovel in and dispose of at an appropriate waste disposal facility, in accordance with current applicable laws and regulations, and product characteristics at time of disposal.
6.3 Environmental Precautions:	Prevent spills from entering storm sewers or drains and contact with soil.

SECTION 7: HANDLING AND STORAGE

Suitable Material:	hdpe Plastic bottles.
Handling /storage precaution:	Avoid prolonged repeated skin contact. Do not contaminate

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water, food or feed by storage or disposal. Store in a secure, dry, well –ventilated separate room, building or covered area. Keep away from sources of ignition and protect from exposure to fire and heat separate from incompatible materials. Do not allow entering public sewers and water sources.
If contamination of drainage systems or water sources is unavoidable, inform the appropriate authorities immediately.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Inhalation: Avoid inhalation of dust. Use only in well –ventilated areas, in case of insufficient ventilation, wear suitable respiratory equipment.

Skin protection: Wear protective clothing, as well as protective gloves. Launder contaminated clothing before re-use.
Avoid skin contact. Keep working clothes separately and do not take home. Good personal hygiene practices should always be followed.

Eye protection: Avoid contact with eyes. Wear eye /face protection.

Ingestion: Keep away from food and feedstuffs. Do not eat, drink or smoke whilst handling this product. Wash hands and face before eating and drinking.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Form: Liquid
Colour: Blue
Odour: Weak chemical odour

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable
Conditions to avoid: Heat, sparks, flame and buildup of static electricity, spillage onto roadways, etc.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity classification done according to toxicity calculations:

Exposure route	LD50 value	GHS classification
Acute oral	>0.6 mg/kg	Category 1
Acute dermal	>17.8 mg/kg	Category 1
Acute inhalation	Not applicable	Not classified

Acute inhalation toxicity:

None of the components were classified as Acute Inhalation toxicity source- [ECHA-(EC) No 1272/2008 (CLP Regulation)]

SECTION 12: ECOLOGICAL INFORMATION:

Ecotoxicology (Brodifacoum technical)

Birds

Oral LD50: 11.6 mg/kg Japanese quail :
0.31 mg/kg Mallard ducks

Fish:

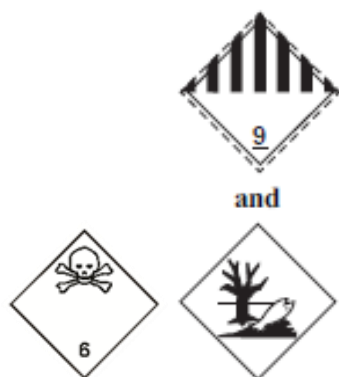
Very toxic to fish Oral LC50: 0.165 mg/l (96 h) Bluegill sunfish :
0.051 mg/l (96 h) Rainbow trout

Daphnia LC50 (48 h): 0.34 mg/l

Bees: Very toxic to bees

SECTION 14: TRANSPORT INFORMATION

UN number	Class	Packaging group	Proper shipping name
3026	6.1	III (5 L)	Coumarin derivative pesticide; liquid; toxic (active 2,5 g/l).



UN No. 3026
NAME and description COUMARIN DERIVATIVE PESTICIDE, LIQUID, TOXIC
Class 6.1
Classification code T6
Packing group I
Labels 6.1
Special provisions 61 274 648
Limited quantities 0
Excepted quantities E5
Packing instructions P001
Special packing provisions
Mixed packing provisions MP8 MP17
Portable tanks and bulk containers instructions T14
Portable tanks and bulk containers special provisions TP2 TP27
ADR tank code L10CH
ADR tank special provisions TU14 TU15 TE19 TE21
Vehicle for tank carriage AT
Transport category (Tunnel restriction code) 1 (C/E)
Special provisions for carriage - packages
Special provisions for carriage - bulk
Special provisions for carriage - loading, unloading and handling CV1 CV13 CV28
Special provisions for carriage - operation S9 S14
Hazard identification No.

66

3026

SECTION 15: REGULATORY INFORMATION

Symbol: Xn

Indication of danger: Harmful

Risk phrases:

R 21/22: Harmful in contact with skin and if swallowed

R 27/28: Very toxic in contact with skin and if swallowed.

R 48/24/25: Toxic: danger of serious damage to health by prolonged exposure in contact with skin and if swallowed.

R 50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases:

S 1/2: Keep locked up and out of reach of children

S 46: If swallowed, seek medical advice immediately and show this container or label

SECTION 16: OTHER INFORMATION

All information and instructions provided in this Material Safety Data Sheet (MSDS) are based on the current state of scientific and technical knowledge at the date indicated on the present MSDS and are presented in good faith and believed to be correct. This information applies to the PRODUCT AS SUCH. In case of new formulations or mixes, it is necessary to ascertain that a new danger will not appear.

It is the responsibility of persons in receipt of this MSDS to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. If the recipient subsequently produces formulations(s) containing this product, it is the recipients sole responsibility to ensure the transfer of all relevant information from this MSDS to their own MSDS.