

DE-MIZE RODENTICIDE SOFT BAIT

Safety Data Sheet 1542

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Issue date: 07/13/2020

Version: 2.0

Rentokil

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Trade name : DE-MIZE RODENTICIDE SOFT BAIT
Registration No 93062-2-95150

1.2. Recommended use and restrictions on use

Use of the substance/mixture : A blue ready-to-use rodenticidal paste bait with no perceptible odor and a bittering agent. Kills Norway rats, roof rats and house mice including warfarin-resistant house mice. For indoor and outdoor use.

Use of the substance/mixture : Rodenticide

1.3. Supplier

Supplier

Rentokil North America Inc
1125 Berkshire Blvd,
Suite 150, Reading,
PA 19610
United States

T: 1-610-372-9700

1.4. Emergency telephone number

Emergency number : 1-800-888-8372

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

Not classified

2.2. GHS Label elements, including precautionary statements

GHS US labelling

No labelling applicable

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS-US classification
Butylated Hydroxyanisole	(CAS-No.) 25013-16-5	0.001 – 0.01	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Carc. 2, H351 STOT SE 3, H335 Aquatic Chronic 2, H411
Butylated Hydroxytoluene	(CAS-No.) 128-37-0	0.001 – 0.01	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
brodifacoum (ISO); 4-hydroxy-3-(3-(4'-bromo-4-biphenyl)-1,2,3,4-tetrahydro-1-naphthyl)coumarin	(CAS-No.) 56073-10-0	0.005	Acute Tox. 1 (Inhalation), H330 Acute Tox. 1 (Dermal), H310 Acute Tox. 1 (Oral), H300 STOT RE 1, H372 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

- First-aid measures after inhalation : No apparent hazard with normal use. Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give five artificial respiration, preferably by mouth-to-mouth, if possible.
- First-aid measures after skin contact : Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
- First-aid measures after eye contact : Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.
- First-aid measures after ingestion : Call a poison center, doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

4.2. Most important symptoms and effects (acute and delayed)

- Symptoms/effects : Ingestion of excessive quantities may cause nausea, vomiting, loss of appetite, extreme thirst, lethargy, diarrhea, bleeding.

4.3. Immediate medical attention and special treatment, if necessary

NOTE TO PHYSICIAN: Anticoagulant rodenticide. If swallowed, this material may reduce the clotting ability of the blood and cause bleeding. If ingested, administer vitamin K1 intramuscularly or orally. Vitamin K1 is antidotal at doses of 10-20 mg (not mgkg). Repeat as necessary based on monitoring of prothrombin times. NOTE TO VETERINARIAN: Anticoagulant Brodifacoum: For animals ingesting bait, and/or showing poisoning signs (bleeding or elevated prothrombin times), give Vitamin K1 intramuscularly or orally. If needed, check prothrombin times every 3 days until values return to normal (up to 30 days). In severe cases, blood transfusions may be needed.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : None known.

5.2. Specific hazards arising from the chemical

No additional information available

5.3. Special protective equipment and precautions for fire-fighters

- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Use recommended personal protective equipment (see Section 8). Remove persons not wearing protective clothing from the spill area. Contain and ventilate spill area. Avoid contamination of streams and sewers.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : On land, sweep or shovel into suitable containers. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Handling precautions: Applicators and other handlers must wear: Long-sleeved shirt and long pants. Socks and shoes. Chemical resistant gloves such as Barrier Laminate, Butyl Rubber, Nitrile Rubber, Neoprene Rubber, PVC, or Viton. Wear protective eyewear as specified. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before re-use. Users should: Remove clothing/PPE immediately if the pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash hands thoroughly after applying bait and before eating, drinking, chewing gum, using tobacco or using the toilet and change into clean clothing. Any person who retrieves carcasses or unused bait following application of this product must wear waterproof gloves.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a cool, dry place in original container and out of direct sunlight.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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No additional information available

brodifacoum (ISO); 4-hydroxy-3-(3-(4'- bromo-4-biphenyl)- 1,2,3,4-tetrahydro-1- naphthyl)coumarin (56073-10-0)

No additional information available

Butylated Hydroxyanisole (25013-16-5)

No additional information available

Butylated Hydroxytoluene (128-37-0)

USA - ACGIH - Occupational Exposure Limits

Local name	Butylated hydroxytoluene
ACGIH TWA (mg/m ³)	2 mg/m ³
Remark (ACGIH)	URT irr
Regulatory reference	ACGIH 2018

8.2. Appropriate engineering controls

Environmental exposure controls : Do not contaminate water when disposing of equipment wash water or rinsate.

8.3. Individual protection measures/Personal protective equipment

Eye protection:

Wear goggles, a face shield or shielded safety glasses.

Skin and body protection:

Applicators and other handlers must wear: long-sleeved shirt and long pants, chemical-resistant gloves such as Barrier Laminate, Butyl Rubber, Nitrile Rubber, Neoprene Rubber, PVC or Viton; and shoes and socks.

Other information:

See section 7. Use this product only as specified on the label.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid
Colour : Blue
Odour : Odourless
Odour threshold : No data available
pH : No data available

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Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: Non flammable.
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1 – 1.2 g/ml
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive limits	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

This product is stable when stored in original container in a cool, dry location.

10.2. Chemical stability

This product is stable when stored in original container in a cool, dry location.

10.3. Possibility of hazardous reactions

This product is stable when stored in original container in a cool, dry location.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

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LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg
brodifacoum (ISO); 4-hydroxy-3-(3-(4'- bromo-4-biphenyl)- 1,2,3,4-tetrahydro-1- naphthyl)coumarin (56073-10-0)	
LD50 oral rat	0.27 mg/kg
LD50 dermal rat	7.48 ml/kg
ATE US (oral)	0.5 mg/kg bodyweight
ATE US (dermal)	5 mg/kg bodyweight
ATE US (gases)	10 ppmv/4h
ATE US (vapours)	0.05 mg/l/4h
ATE US (dust,mist)	0.005 mg/l/4h

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Butylated Hydroxyanisole (25013-16-5)	
ATE US (oral)	500 mg/kg bodyweight

Butylated Hydroxytoluene (128-37-0)	
LD50 oral rat	> 2930 mg/kg

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

Butylated Hydroxyanisole (25013-16-5)	
IARC group	2B - Possibly carcinogenic to humans
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen

Butylated Hydroxytoluene (128-37-0)	
IARC group	3 - Not classifiable

Reproductive toxicity	: Not classified
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STOT-single exposure	: Not classified
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Butylated Hydroxyanisole (25013-16-5)	
STOT-single exposure	May cause respiratory irritation.

STOT-repeated exposure	: Not classified
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brodifacoum (ISO); 4-hydroxy-3-(3-(4'- bromo-4-biphenyl)- 1,2,3,4-tetrahydro-1- naphthyl)coumarin (56073-10-0)	
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard	: Not classified
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Viscosity, kinematic	: No data available
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Symptoms/effects	: Ingestion of excessive quantities may cause nausea, vomiting, loss of appetite, extreme thirst, lethargy, diarrhea, bleeding.
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SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: This product is extremely toxic to mammals and birds. Dogs, cats and other predatory and scavenging mammals and birds might be poisoned if they feed upon animals that have eaten this bait. This pesticide is toxic to fish. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Runoff also may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment wash water or rinsate.
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brodifacoum (ISO); 4-hydroxy-3-(3-(4'- bromo-4-biphenyl)- 1,2,3,4-tetrahydro-1- naphthyl)coumarin (56073-10-0)	
LC50 fish 1	0.042 mg/l 96hr Rainbow trout
EC50 Daphnia 1	0.25 mg/l 48hr
ErC50 (algae)	0.04 mg/l 72hr

Butylated Hydroxyanisole (25013-16-5)	
LC50 fish 1	2.5 mg/l

Butylated Hydroxytoluene (128-37-0)	
LC50 fish 1	> 0.57 mg/l
EC50 Daphnia 1	0.61 mg/l

12.2. Persistence and degradability

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Persistence and degradability	Not established.

12.3. Bioaccumulative potential

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Bioaccumulative potential	Not established.

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12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Do not contaminate water, food or feed by storage or disposal. Pesticide Storage: Store only in original container in a cool dry place inaccessible to children and pets. Keep containers closed and away from other chemicals. Pesticide Disposal: Dispose of wastes resulting from the use of this product at an approved waste disposal facility or call your local solid waste agency for alternative disposal instructions. Never dispose of unused product down any indoor or outdoor drain. Container Handling: Non-refillable container. Do not re-use or re-fill this container. When completely empty, offer for recycling if available, or dispose of empty container in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not applicable

Transportation of Dangerous Goods

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory except for:

brodifacoum (ISO); 4-hydroxy-3-(3-(4'- bromo-4-biphenyl)-1,2,3,4-tetrahydro-1- naphthyl)coumarin	CAS-No. 56073-10-0	0.005%
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This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

FIFRA Labelling

EPA Registration Number	93062-2-95150
This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label.	
FIFRA Signal Word	Warning
FIFRA Precautionary Statement	Avoid contact with skin, eyes or clothing. Wear protective eyewear as specified. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.
FIFRA Human Health Hazards	May be fatal if swallowed Causes moderate eye irritation Harmful if absorbed through the skin.

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15.2. International regulations

Butylated Hydroxyanisole (25013-16-5)

Listed on IARC (International Agency for Research on Cancer)
Listed as carcinogen on NTP (National Toxicology Program)

15.3. US State regulations

WARNING: This product can expose you to Butylated Hydroxyanisole, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Component	State or local regulations
Butylated Hydroxyanisole(25013-16-5)	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List
Butylated Hydroxytoluene (128-37-0)	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - New York City - Right to Know Hazardous Substances List; U.S. - Pennsylvania - RTK (Right to Know) List
brodifacoum (ISO); 4-hydroxy-3-(3-(4'- bromo-4-biphenyl)-1,2,3,4-tetrahydro-1-naphthyl)coumarin(56073-10-0)	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List

SECTION 16: Other information

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Data sources : REGULATION ST/SG/AC.10/30/Rev.4 [UN/GHS].

Full text of H-statements:

H300	Fatal if swallowed.
H302	Harmful if swallowed.
H310	Fatal in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.
H372	Causes damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

Abbreviations and acronyms:

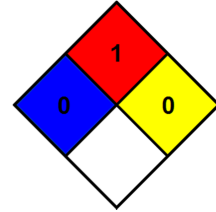
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
IMDG	International Maritime Dangerous Goods
IATA	International Air Transport Association
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
LD50	Median lethal dose
EC50	Median effective concentration
PBT	Persistent Bioaccumulative Toxic
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008

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- NFPA health hazard : 0 - Materials that, under emergency conditions, would offer no hazard beyond that of ordinary combustible materials.
- NFPA fire hazard : 1 - Materials that must be preheated before ignition can occur.
- NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.



- HMIS Hazard Rating
- Health : 2 Moderate Hazard - Temporary or minor injury may occur
- Flammability : 1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB)
- Physical : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.
- Personal protection : B
B - Safety glasses, Gloves

RI SDS US (GHS HazCOM 2012)

Before using any product, ensure that you read and understand its label.

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This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

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Telephone: +44 (0) 1342 833022