

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)
Issue date: 12/6/2024 Version: 1.0

SECTION 1: Identification

1.1. Product identifier

Product form : Mixture
Trade name : Final Rodenticide Commercial Kills Rats & Mice
PMRA Registration Number : 25424
Product code : 5005
Product group : Trade product

1.2. Recommended use and restrictions on use

No additional information available

1.3. Supplier

Bell Laboratories, Inc.
3699 Kinsman Blvd.
Madison, WI, 53704
USA
T 608-241-0202
sds@belllabs.com - www.belllabs.com

1.4. Emergency telephone number

Country/Area	Organisation/Company	Address	Emergency number	Comment
Canada	Medical or Vet Emergency		877-854-2494 952-852-4636	Spill or Transportation Emergency: 800-424-9300 (CHEMTREC)

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification (GHS CA)

Not classified

2.2. GHS Label elements, including precautionary statements

GHS CA labelling

No labelling applicable

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS CA)

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

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3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
Brodifacoum (ISO); 4-hydroxy-3-(3-(4'- bromo-4-biphenyl)-1,2,3,4-tetrahydro-1- naphthyl)coumarin	Brodifacoum	CAS-No.: 56073-10-0	0.005	Acute Tox. 1 (Oral), H300 Acute Tox. 1 (Dermal), H310 Acute Tox. 1 (Inhalation), H330 STOT RE 1, H372 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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	: Not applicable.
First-aid measures after skin contact	: Wash skin with plenty of water.
First-aid measures after eye contact	: Rinse eyes with water as a precaution.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.
First-aid measures general	: If you feel unwell, seek medical advice.

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

Symptoms/effects after inhalation	: None under normal conditions.
Symptoms/effects after skin contact	: None under normal conditions.
Symptoms/effects after eye contact	: None under normal conditions.
Symptoms/effects after ingestion	: None under normal conditions.

4.3. Immediate medical attention and special treatment, if necessary

Other medical advice or treatment	: Treat symptomatically.
Antidote	: Vitamin K1.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam.
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5.2. Unsuitable extinguishing media

Unsuitable extinguishing media	: Do not use a heavy water stream.
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5.3. Specific hazards arising from the hazardous product

Fire hazard	: No fire hazard.
Explosion hazard	: No direct explosion hazard.
Hazardous decomposition products in case of fire	: Toxic fumes may be released.

5.4. Special protective equipment and precautions for fire-fighters

Firefighting instructions	: Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.

6.2. Methods and materials for containment and cleaning up

For containment : Using a clean shovel, put the material in a dry container and cover without compressing it.
Methods for cleaning up : Mechanically recover the product.
Other information : Dispose of materials or solid residues at an authorized site.

6.3. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection"

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Wear personal protective equipment. Place inaccessible to children, companion animals and non-target animals. Do not (use/apply) directly on or near food, feed or drinks, or on surfaces or utensils likely to be in direct contact with food, feed, drinks and animals.
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Keep in a cool, well-ventilated place away from heat.
Storage conditions : Keep cool. Protect from sunlight. Place inaccessible to children, companion animals and non-target animals.
Heat and ignition sources : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Packaging materials : Store always product in container of same material as original container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

No additional information available

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Wear recommended personal protective equipment.

Hand protection:

Protective gloves

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Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: pellets.
Colour	: red
Odour	: Fresh Sweet Grains
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Relative evaporation rate (ether=1)	: No data available
Melting point	: No data available
Freezing point	: Not applicable
Boiling point	: No data available
Flash point	: Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: 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
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: Not applicable
Explosive limits	: Not applicable

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

Reactivity	: The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: None under recommended storage and handling conditions (see section 7).
Incompatible materials	: No additional information available
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hardening time:	: No additional information available

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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Brodifacoum (ISO); 4-hydroxy-3-(3-(4'- bromo-4-biphenyl)- 1,2,3,4-tetrahydro-1- naphthyl)coumarin (56073-10-0)	
LD50 oral rat	< 5 mg/kg bodyweight (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat, Female, Experimental value, Oral)
LD50 dermal rat	7.48 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Female, Experimental value, Dermal)
LC50 Inhalation - Rat	0.00305 mg/l air (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Female, Experimental value, Inhalation (dust))

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified

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	Not applicable
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Symptoms/effects after inhalation	: None under normal conditions.
Symptoms/effects after skin contact	: None under normal conditions.
Symptoms/effects after eye contact	: None under normal conditions.
Symptoms/effects after ingestion	: None under normal conditions.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute)	: Not classified.
Hazardous to the aquatic environment, long-term (chronic)	: Not classified.

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 (OECD 203: Fish, Acute Toxicity Test, Oncorhynchus mykiss, Semi-static system, Experimental value, GLP)
EC50 - Crustacea [1]	0.25 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Experimental value, GLP)
ErC50 algae	0.04 mg/l (OECD 201: Alga, Growth Inhibition Test, Selenastrum capricornutum, Experimental value, GLP)

12.2. Persistence and degradability

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Persistence and degradability	Not rapidly degradable
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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)	
Persistence and degradability	Not readily biodegradable in water.

12.3. Bioaccumulative potential

Brodifacoum (ISO); 4-hydroxy-3-(3-(4'- bromo-4-biphenyl)- 1,2,3,4-tetrahydro-1- naphthyl)coumarin (56073-10-0)	
Bioaccumulative potential	Potential for bioaccumulation ($4 \leq \text{Log Kow} \leq 5$).
Partition coefficient n-octanol/water (Log Pow)	4.92 (Experimental value, 20 °C)

12.4. Mobility in soil

Brodifacoum (ISO); 4-hydroxy-3-(3-(4'- bromo-4-biphenyl)- 1,2,3,4-tetrahydro-1- naphthyl)coumarin (56073-10-0)	
Ecology - soil	Brodifacoum is immobile in soil ($K_{oc} > 9155 \text{ l/kg}$). Mobility of Brodifacoum in soil is considered to be minimal.

12.5. Other adverse effects

Ozone : Not classified

SECTION 13: Disposal considerations

13.1. Disposal methods

Regional waste regulation : Disposal must be done according to official regulations.
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations : Disposal must be done according to official regulations.
Product/Packaging disposal recommendations : Comply with applicable regulations for solid waste disposal. Disposal must be done according to official regulations.
Additional information : Do not re-use empty containers.

SECTION 14: Transport information

In accordance with TDG / IMDG / IATA

TDG	IMDG	IATA
14.1. UN number		
Not regulated for transport		
14.2. Proper Shipping Name		
Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)		
Not regulated	Not regulated	Not regulated
14.4. Packing group		
Not regulated	Not regulated	Not regulated
14.5. Environmental hazards		
Not regulated	Not regulated	Not regulated
No supplementary information available		

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14.6. Special precautions for user

TDG

Not regulated

IMDG

Not regulated

IATA

Not regulated

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. National regulations

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

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

15.2. International regulations

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Not listed on the United States TSCA (Toxic Substances Control Act) inventory

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

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

Listed on INSQ (Mexican National Inventory of Chemical Substances)

SECTION 16: Other information

Issue date : 12/06/2024

Full text of hazard classes and H-statements:

H300	Fatal if swallowed.
H310	Fatal in contact with skin.
H330	Fatal if inhaled.
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.

Safety Data Sheet (SDS), Canada

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.