

SAFETY DATA SHEET



UNICHEM d.o.o., Sinja Gorica 2, 1360 Vrhnika, Slovenia
tel.: +386 1 7558 150, fax: +386 1 7558 155
unicchem@unicchem.si, www.unicchem.si

Product name: **WILCO WAX BLOCK**

Creation date: 6.2.2015

Revision: 6.2.2015

Version: 1

1. IDENTIFICATION

1.1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION

- Product name: WILCO WAX BLOCK

1.2. USE OF THE SUBSTANCE/PREPARATION

- Use: Rodenticides for control of rats and mice
- Uses advised against: Use only for the purposes specified in this safety data sheet or on the label. The product should be used in accordance with the indications on the product label. Rodenticide should not be used outdoors and in places occupied by other animals or people.

1.3. COMPANY/UNDERTAKING IDENTIFICATION

- Supplier:

UNICHEM D.O.O.

Address: Sinja Gorica 2, 1360 Vrhnika, Slovenia

Tel.: +386 1 755 81 50

Fax: +386 1 755 81 55

www.unicchem.si

1.4. EMERGENCY TELEPHONE

- Supplier +386 1 755 81 50

2. HAZARDS IDENTIFICATION

2.1. Classification of substance/preparation:

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 910.1200)

2.2. Label elements:

-

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS	%	Trade Secret
Bromadiolone	28772-56-7	0,005	
Denatonium benzoate	3734-33-6	0,001	

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4. FIRST-AID MEASURES

4.1. First-aid measures:

General measures

Remove affected person from the contaminated area to fresh air or well-ventilated area, providing her basic life functions and protect it from the cold or heat. Never give anything by mouth to an unconscious person.

Skin contact:

Take off all contaminated clothing. Wash thoroughly with plenty of water and soap! If feeling unwell seek medical help.

Eye contact:

Immediately flush eyes with plenty of water while keeping eyelids open (at least 15 minutes). Check for and remove any contact lenses. If irritation persists, seek professional medical attention.

Inhalation:

Remove patient to fresh air-move out of dangerous area. If symptoms persist seek medical attention.

Ingestion:

Do not induce vomiting. Rinse mouth with water. Immediately consult a specialist. Show the physician the Safety Data Sheet or label.

4.2. Symptoms:

Skin contact:

Contact with skin may cause irritation.

Eye contact:

Contact with eyes can cause irritation.

Inhalation:

-

Ingestion:

Bromadiolone is an anticoagulant which may produce bleeding. Symptoms may be delayed for several days after exposure.

In case of poisoning bleeding disorders and increased bleeding tendency may occur.

In severe poisoning a strong internal bleeding can cause circulatory collapse and consequent death.

4.3. Indication of any immediate medical attention and special treatment needed

Bromadiolone is an anticoagulant which may produce bleeding; this may be delayed for several days after exposure. In case of bleeding or reduced activity of prothrombin is indicated to use antidote vitamin K1 (phytomenadione) at a dose of 10-20 mg (5-10 mg in children) slowly iv or as an infusion. Further treatment: Vitamin K1 (phytomenadione) is administered to 6x daily at a dose of 10 mg iv depending on the clinical picture, in most serious poisonings to 125mg / day. Vitamin K3 (menadione) is not effective! Because of the risk of hematoma avoid intramuscular injections. In the case of severe bleeding blood transfusions and further substitution of coagulation factors in the form of fresh frozen plasma or prothrombin complex concentrate are also needed.

Section 5. FIRE-FIGHTING MEASURES

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5.1. Extinguishing media

Suitable extinguishing media: Carbon dioxide. Dry chemical powder. Alcohol or polymer foam.

Unsuitable extinguishing media: Full water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products: In the event of fire the following is released: poisonous and irritating gases.

5.3. Advice for firefighters

Protective actions

In case of fire do not breathe fumes/gases. Cool containers at risk with water spray jet. If possible remove containers from endangered area. Contaminated firefighting water must be disposed of in accordance with the regulations; do not allow to reach the sewage system.

Special protective equipment for fire-fighters

Fire-fighters should wear appropriate protective clothing for fire-fighters (including helmets, protective boots and gloves) (EN 469) and self-contained breathing apparatus (SCBA) with a full face-piece (EN 137).

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment

Use personal protective equipment (Section 8). Refer to protective measures listed in sections 7 and 8.

Emergency procedures

Ensure adequate ventilation.

6.2. Environmental precautions

Do not allow product to reach water/drains/sewage systems or permeable soil. If accidental entry into water or ground occurs, inform responsible authorities.

6.3. Methods and material for containment and cleaning up

Take up mechanically and collect in suitable container and dispose according to current regulations.

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7. HANDLING AND STORAGE

7.1. Precautions for safe handling

7.1.1. Protective measures

Measures to prevent fire

Ensure adequate ventilation.

Measures to prevent aerosol and dust generation

Avoid formation of dust.

Measures to protect the environment

For use only in areas that are inaccessible to infants, children, companion animals and non-target animals.

7.1.2. Advice on general occupational hygiene

Refer to instructions on label and regulations for safety and health at work. Use personal protective equipment. Do not eat, drink or smoke while working. Ensure adequate ventilation. Avoid contact with skin and eyes. Before eating, drinking or smoking leave the work area and wash your hands and any other exposed areas with mild soap and water. After working with the product wash yourself and change clothes.

7.2. Conditions for safe storage, including any incompatibilities

7.2.1. Technical measures and storage conditions

Store in original, tightly closed container in a dry place. Store at room temperature. Keep container in a well ventilated place. Keep away from food, drink and animal feeding stuffs. Keep out of the reach of children. Keep away from animals. Protect from direct sunlight.

7.2.2. Requirements for storage rooms and vessels

Keep in properly labeled containers.

7.3. Specific end use(s)

Recommendations

The product is intended for use as a rodenticide (biocidal agent). Before using this product read the instructions for use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

8.1.1. Occupational Exposure limit values

No information

8.2. Exposure controls

8.2.1. Appropriate engineering control

Substance/mixture related measures to prevent exposure during identified uses

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Use good personal hygiene practices-wash hands at breaks and when done working with material. Avoid contact with eyes and skin. Keep away from direct sun-light or other heat sources and sources of ignition. Prevent dusting.

Organizational measures to prevent exposure

Do not eat, drink or smoke while working.

Technical measures to prevent exposure

Keep away from food, drink and animal feeding stuffs. Good ventilation.

8.2.2. Personal protective equipment

Eye and face protection

Protective goggles

Hand protection

Protective gloves.

Skin protection

No requirements under normal use conditions.

Respiratory protection

Not needed under normal use and adequate ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. General information

- Physical state:	solid
- Color:	red
- Odor:	weak

Important health, safety and environmental information

-	pH	No information
-	Melting point	No information
-	Boiling point/boiling range	No information
-	Flashpoint	No information
-	Evaporation rate	No information
-	Ignition temperature	No information
-	Explosion limits (vol%)	No information
-	Vapor pressure	No information
-	Vapor density	No information
-	Density	Relative density: 1,25

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-	Solubility	No information
-	Partition coefficient n-octanol/water (log Kow)	No information
-	Auto-ignition temperature	No information
-	Decomposition temperature	No information
-	Viscosity	No information
-	Explosive properties	Product is not explosive. Product is not self-igniting.
-	Oxidizing properties	No oxidizing properties.

9.2. Other information

-	Remarks:	
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10. STABILITY AND REACTIVITY

10.1. Reactivity

Stable under recommended transport or storage conditions.

10.2. Chemical stability

Product is stable under normal conditions according to handling and storage.

10.3. Possibility of hazardous reactions

None under normal processing.

10.4. Conditions to avoid

Avoid high temperatures.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

Under normal use conditions no hazardous decomposition products expected. In case of fire/explosion vapors dangerous for health are spread. Carbon oxides.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

11.1.1. Acute toxicity

For product

exp. route	Type	species	Time	value	Method	Remark
oral	LD ₅₀	rat		> 2000 mg/kg bw		
dermal	LD ₅₀	rat		> 2000 mg/kg bw		

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For components

Chemical name	exp. route	Type	species	Time	value	Method	Remark
Bromadiolone (28772-56-7)	oral	LD ₅₀	rat		> 0,56 mg/kg bw		
Bromadiolone (28772-56-7)	dermal	LD ₅₀	rat		> 1,71 mg/kg bw		

11.1.2. Skin corrosion/irritation, serious eye damage/irritation, aspiration hazard

No information

11.1.3. Respiratory or skin sensitization

No information

11.1.4. Carcinogenicity, Mutagenicity, Reproductive toxicity

Carcinogenicity

No information

(Germ cell) mutagenicity

No information

Reproductive toxicity

No information

Summary of evaluation of the CMR properties

No information

11.1.5. STOT-single and repeated exposure

No information

12. ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.1. Acute (short-term) toxicity

For components

Substance (CAS Nr.)	Type	Value	Exposure time	Species	Organism	Method	Remark
Bromadiolone (28772-56-7)	LC ₅₀	2,86 mg/L	96 h	fish	<i>Oncorhynchus mykiss</i>		
	LC ₅₀	2 mg/L	48 h	crustacea	<i>Daphnia magna</i>		
	EbC50	0,17 mg/L	96 h	algae	<i>Scenedesmus subspicatus</i>		

12.2. Persistence and degradability

12.2.1. Abiotic degradation, physical- and photo-chemical elimination

No information

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12.2.2. Biodegradation

No information

12.3. Bioaccumulative potential

12.3.1. Partition coefficient n-octanol/water (log Kow)

For components

Substance (CAS Nr.)	Media	value	Temperature	pH	Concentration	Method
Bromadiolone (28772-56-7)	Octanol-water (log Pow)	> 3				

12.3.2. Bioconcentration factor (BCF)

No information

12.4. Mobility

12.4.1. Known or predicted distribution to environmental compartments

No information

12.4.2. Surface tension

No information

12.4.3. Adsorption/Desorption

No information

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

13.1.1. Product / Packaging disposal

Waste chemical

Disposal must be made according to official regulations: to leave it to authorized collector/remover/transformer of hazardous waste. It is not allowed to empty into ground or the aquatic environment.

Packaging

Completely emptied container dispose according to regulations.

14. TRANSPORT INFORMATION

14.1. UN number

-

14.2. UN proper shipping name

Not dangerous according to ADR.

14.3. Transport hazard class(es)

-

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14.4. Packing group

-

14.5. Environmental hazards

NO

14.6. Special precautions for user

-

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

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15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations specific for the product in question

No information

16. OTHER INFORMATION

Creation date: 9.12.2014

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The information of this SDS is based on the present state of our knowledge. The user's working conditions however, are beyond our knowledge and control. The product is not to be used for purposes other than those specified under section 1 without a written permission. It remains the responsibility of the user to ensure that the necessary steps are taken to meet the laws and regulations. Handling of the product may only be done by people above 18years of age, who are satisfactorily informed of how to do the work, the hazardous properties and necessary safety precautions. The information given in this SDS is to describe the product only in terms of health and safety requirements and should not, therefore, be construed as guaranteeing specific properties.