

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)



Version 1 Date of compilation: 27/12/2022

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

1.1 Product identifier.

Product Name: K.O. RAT Pasta Brodifacoum 25ppm

1.2 Relevant identified uses of the substance or mixture and uses advised against.

Rodenticides

Uses advised against:

Do not mix with other chemical products.
Uses other than those recommended.

1.3 Details of the supplier of the safety data sheet.

Company: **Mylva, S.A.**
Address: Via Augusta, 48, 6º 2ª
City: 08006 - Barcelona
Province: Barcelona
Telephone: +34 934153226
Fax: +34 934156344
E-mail: mylva@mylva.eu
Web: <https://mylva.es/>

1.4 Emergency telephone number: + 34 934153226 (Only available during office hours; Monday-Friday; 08:00-16:00)
NHS 111
Poison centre 01 809 2166

SECTION 2: HAZARDS IDENTIFICATION.

2.1 Classification of the substance or mixture.

In accordance with Regulation (EC) No 1272/2008:

STOT RE 2 : May cause damage to organs through prolonged or repeated exposure.

2.2 Label elements.

Labelling in accordance with Regulation (EC) No 1272/2008:

Pictograms:



Signal Word:

Warning

Hazard statements:

H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary statements:

P102 Keep out of reach of children.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P501 Dispose of the content and/or its container, as well as dead rodents, as hazardous waste in accordance with municipal ordinances (general public and professional). Dispose of the content and/or its container, as well as dead rodents, through an authorized hazardous waste manager, in accordance with current regulations trained professional).

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Contains:

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

Active substances:

calcium dihydroxide, 0,37%;

bronopol (INN); 2-bromo-2-nitropropane-1,3-diol, 0,05%;

brodifacoum (ISO); 4-hydroxy-3-(3-(4'-bromo-4-biphenyl)-1,2,3,4-tetrahydro-1-naphthyl)coumarin, 0,0025%;

2.3 Other hazards.

The mixture does not contain substances classified as PBT.

The mixture does not contain substances classified as vPvB.

The mixture does not contain any endocrine disrupting properties substances.

In normal use conditions and in its original form, the product itself does not involve any other risk for health and the environment.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS.

3.1 Substances.

Not Applicable.

3.2 Mixtures.

Substances posing a danger to health or the environment in accordance with the Regulation (EC) No. 1272/2008, assigned a Community exposure limit in the workplace, and classified as PBT/vPvB or included in the Candidate List:

Identifiers	Name	Concentrate	(*)Classification - Regulation (EC) No 1272/2008	
			Classification	Specifics concentration limits and Acute toxicity estimate
Index No: 607-172-00-1 CAS No: 56073-10-0 EC No: 259-980-5	brodifacoum (ISO), 4-hydroxy-3-(3-(4'-bromo-4-biphenyl)-1,2,3,4-tetrahydro-1-naphthyl)coumarin	0.0023 - 0.0027 %	Acute Tox. 1, H310 - Acute Tox. 1, H330 - Acute Tox. 1, H300 - Aquatic Acute 1, H400 (M=10) - Aquatic Chronic 1, H410 (M=10) - Repr. 1A, H360D - STOT RE 1, H372(sangre)	Repr. 1A, H360D: C ≥ 0,003 % STOT RE 1, H372(sangre): C ≥ 0,02 % STOT RE 2, H373(sangre): 0,002 % ≤ C < 0,02 %
CAS No: 57-50-1 EC No: 200-334-9	[2] sucrose	0 - 2.5 %	-	-
CAS No: 1305-62-0 EC No: 215-137-3 Registration No: 01-2119475151-45-XXXX	[1] [2] calcium dihydroxide	0 - 1 %	Eye Dam. 1, H318 - STOT SE 3, H335 - Skin Irrit. 2, H315	-
CAS No: 102-71-6 EC No: 203-049-8 Registration No: 01-2119486482-31-XXXX	[2] 2,2',2''-nitritotriethanol	0 - 2.5 %	-	-

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Index No: 603-085-00-8 CAS No: 52-51-7 EC No: 200-143-0	bronopol (INN), 2-bromo-2-nitropropane1,3-diol	0 - 1 %	Acute Tox. 4 *, H312 - Acute Tox. 4 *, H302 - Aquatic Acute 1, H400 (M=10) - Eye Dam. 1, H318 - STOT SE 3, H335 - Skin Irrit. 2, H315	-
CAS No: 128-37-0 EC No: 204-881-4 Registration No: 01-2119565113-46-XXXX	[2] 2,6-di-tert-butyl-p-cresol	0 - 0.25 %	Aquatic Acute 1, H400 (M=1) - Aquatic Chronic 1, H410 (M=1)	-

(*) The complete text of the H phrases is given in section 16 of this Safety Data Sheet.

* See Regulation (EC) No. 1272/2008, Annex VI, section 1.2.

[1] Substance with a European Union exposure limit in the workplace (see section 8.1).

[2] Substance with a national workplace exposure limit (see section 8.1).

SECTION 4: FIRST AID MEASURES.

4.1 Description of first aid measures.

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

Inhalation.

Take the victim into open air; keep them warm and calm. If breathing is irregular or stops, perform artificial respiration.

Eye contact.

Remove contact lenses, if present and if it is easy to do. Wash eyes with plenty of clean and cool water for at least 10 minutes while pulling eyelids up, and seek medical assistance.

Skin contact.

Remove contaminated clothing. Wash skin vigorously with water and soap or a suitable skin cleaner. NEVER use solvents or thinners.

Ingestion.

If accidentally ingested, seek immediate medical attention. Keep calm. NEVER induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed.

In the long term with chronic exposures it can cause damage to certain organs or tissues.

The substance is an anticoagulant and the potential risk is internal bleeding.

Bleeding diathesis, derived from antiprothrombin effect, prolonged prothrombin time, which may become evident in a minimum period of 24 hours. and maximum of 72 h.

A normal prothrombin time on admission does not exclude the diagnosis.

Other symptoms are: Paleness, abdominal or back pain.

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

In cases of doubt, or when symptoms of discomfort persist, seek medical attention. Never give anything by mouth to people who are unconscious. Keep the person comfortable. Roll her onto her left side and stay there while you wait for medical help.

Symptomatic treatment depending on the effects observed.

If two hours have not elapsed since ingestion, perform gastric emptying, then administer a dose of activated charcoal (25 g.)

Check prothrombin time or INR and if necessary transfer coagulation factors and/or fresh blood.

Antidote: VITAMIN K1 (Phytomenadione).

In animals, particularly domestic animals, Vitamin K1 can be administered even in the absence of coagulation problems.

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SECTION 5: FIREFIGHTING MEASURES.

The product is NOT classified as flammable, in case of fire the following measures should be taken:

5.1 Extinguishing media.

Suitable extinguishing media:

Extinguisher powder or CO₂. In case of more serious fires, also alcohol-resistant foam and water spray.

Unsuitable extinguishing media:

Do not use a direct stream of water to extinguish. In the presence of electrical voltage, you cannot use water or foam as extinguishing media.

5.2 Special hazards arising from the substance or mixture.

Special risks.

Exposure to combustion or decomposition products can be harmful to your health.

5.3 Advice for firefighters.

Use water to cool tanks, cisterns, or containers close to the heat source or fire. Take wind direction into account. Prevent the products used to fight the fire from going into drains, sewers, or waterways.

Fire protection equipment.

According to the size of the fire, it may be necessary to use protective suits against the heat, individual breathing equipment, gloves, protective goggles or facemasks, and boots.

SECTION 6: ACCIDENTAL RELEASE MEASURES.

6.1 Personal precautions, protective equipment and emergency procedures.

For exposure control and individual protection measures, see section 8.

6.2 Environmental precautions.

Product not classified as hazardous for the environment, avoid spillage as much as possible.

6.3 Methods and material for containment and cleaning up.

Contain and collect spillage with inert absorbent material (earth, sand, vermiculite, Kieselguhr...) and clean the area immediately with a suitable decontaminant.

Deposit waste in closed and suitable containers for disposal, in compliance with local and national regulations (see section 13).

6.4 Reference to other sections.

For exposure control and individual protection measures, see section 8.

For later elimination of waste, follow the recommendations under section 13.

SECTION 7: HANDLING AND STORAGE.

7.1 Precautions for safe handling.

For personal protection, see section 8.

In the application area, smoking, eating, and drinking must be prohibited.

Follow legislation on occupational health and safety.

Never use pressure to empty the containers. They are not pressure-resistant containers. Keep the product in containers made of a material identical to the original.

7.2 Conditions for safe storage, including any incompatibilities.

Store according to local legislation. Observe indications on the label. Store the containers between 5 and 45 °C, in a dry and well-ventilated place, far from sources of heat and direct solar light. Keep far away from ignition points. Keep away from oxidising agents and from highly acidic or alkaline materials. Do not smoke. Prevent the entry of non-authorised persons. Once the containers are open, they must be carefully closed and placed vertically to prevent spills.

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The product is not affected by Directive 2012/18/EU (SEVESO III).

7.3 Specific end use(s).

Ready-to-use rodenticide bait

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION.

8.1 Control parameters.

Work exposure limit for:

Name	CAS No.	Country	Limit value	ppm	mg/m ³
sucrose	57-50-1	United Kingdom [1]	Eight hours		10
			Short term		20
		Éire [2]	Eight hours		10
			Short term		20
		United States [3] (Cal/OSHA)	Eight hours		10 (Total dust) 5 (Respirable fraction)
			Short term		
		United States [4] (NIOSH)	Eight hours		10 (Total dust) 5 (Respirable fraction)
			Short term		
		United States [5] (OSHA)	Eight hours		15 (Total dust) 5 (Respirable fraction)
			Short term		
calcium dihydroxide	1305-62-0	European Union [6]	Eight hours		1 (Respirable fraction)
			Short term		4 (Respirable fraction))
		United Kingdom [1]	Eight hours		5
			Short term		
		Éire [2]	Eight hours		1 (Respirable fraction)
			Short term		4 (Respirable fraction)
		United States [3] (Cal/OSHA)	Eight hours		5 (Total dust)
			Short term		
		United States [4] (NIOSH)	Eight hours		5 (Total dust)
			Short term		
2,2',2''-nitritotriethanol	102-71-6	Éire [2]	Eight hours		5
			Short term		
2,6-di-tert-butyl-p-cresol	128-37-0	United Kingdom [1]	Eight hours		10
			Short term		
		Éire [2]	Eight hours		2
			Short term		

[1] According Limit Value (IOELV) list in 2nd Indicative Occupational Exposure adopted by Health and Safety Executive.

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[2] According Code of Practice for the Safety, Health and Welfare at Work (Chemicals Agents) Regulations adopted by Health and Safety Authority (HSA).

[3] California Division of Occupational Safety and Health (Cal/OSHA) Permissible Exposure Limits (PELs).

[4] National Institute for Occupational Safety and Health. NIOSH Recommendations for occupational safety and health, Compendium of Policy Documents and Statements, January, 1992, DHHS (NIOSH) Publication No. 92-100.

[5] Occupational Safety and Health Administration, United States Department of Labor. Permissible Exposure limits (PELs), California Division of Occupational Safety and Health (Cal/OSHA) Permissible Exposure Limits (PELs).

[6] According both Binding Occupational Exposure Limits (BOELVs) and Indicative Occupational Exposure Limits (IOELVs) adopted by Scientific Committee for Occupational Exposure Limits to Chemical Agents (SCOEL).

The product does NOT contain substances with Biological Limit Values.

Concentration levels DNEL/DMEL:

Name	DNEL/DMEL	Type	Value
calcium dihydroxide CAS No: 1305-62-0 EC No: 215-137-3	DNEL (Workers)	Inhalation, Chronic, Local effects	1 (mg/m ³)
	DNEL (Workers)	Inhalation, Chronic, Systemic effects	1 (mg/m ³)
2,2',2''-nitritoltriethanol CAS No: 102-71-6 EC No: 203-049-8	DNEL (Workers)	Inhalation, Chronic, Local effects	5 (mg/m ³)
	DNEL (Consumers)	Inhalation, Chronic, Local effects	1,25 (mg/m ³)
	DNEL (Workers)	Inhalation, Chronic, Systemic effects	5 (mg/m ³)
	DNEL (Consumers)	Inhalation, Chronic, Systemic effects	1,25 (mg/m ³)
	DNEL (Workers)	Dermal, Chronic, Systemic effects	6,3 (mg/kg bw/day)
	DNEL (Consumers)	Dermal, Chronic, Systemic effects	3,1 (mg/kg bw/day)
	DNEL (Consumers)	Oral, Chronic, Systemic effects	13 (mg/kg bw/day)
2,6-di-tert-butyl-p-cresol CAS No: 128-37-0 EC No: 204-881-4	DNEL (Workers)	Inhalation, Chronic, Systemic effects	3,5 (mg/m ³)

DNEL: Derived No Effect Level, level of exposure to the substance below which adverse effects are not anticipated.

DMEL: Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be considered a tolerable minimum.

Concentration levels PNEC:

Name	Details	Value
2,2',2''-nitritoltriethanol CAS No: 102-71-6 EC No: 203-049-8	aqua (freshwater)	0,32 (mg/L)
	aqua (marine water)	0,032 (mg/L)
	aqua (intermittent releases)	5,12 (mg/L)
	STP	10 (mg/L)
	sediment (freshwater)	1,7 (mg/kg sediment dw)
	sediment (marine water)	0,17 (mg/kg sediment dw)
	soil	0,151 (mg/kg soil dw)

PNEC: Predicted No Effect Concentration, concentration of the substance below which adverse effects are not expected in the environmental compartment.

8.2 Exposure controls.

Measures of a technical nature:

Provide adequate ventilation, which can be achieved by using good local exhaust-ventilation and a good general exhaust system.

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Concentration:	100 %		
Uses:	Rodenticides		
Breathing protection:			
PPE:	Particle filter mask		
Characteristics:	«CE» marking, category III. Made of filtering material, it covers nose, mouth and chin.		
CEN standards:	EN 149		
Maintenance:	Check for any tears, defects, etc. before use. Since it is disposable individual protection equipment, it should be replaced after use.		
Observations:	Does not protect worker unless properly adjusted. Follow the manufacturer's instructions regarding suitable use of the equipment.		
Filter Type needed:	P2		
Hand protection:			
PPE:	Non-disposable protective gloves against chemicals.		
Characteristics:	«CE» marking, category III. Check the list of chemicals for which the glove has been tested.		
CEN standards:	EN 374-1, En 374-2, EN 374-3, EN 420		
Maintenance:	A schedule for the periodical replacement of gloves should be established in order to guarantee their replacement before pollutants permeate them. The use of contaminated gloves could be more dangerous than not using gloves, since the pollutant can gradually accumulate in the glove's material.		
Observations:	They are to be replaced whenever tears, cracks or deformations are observed or when exterior dirt could reduce their strength.		
Material:	PVC (polyvinyl chloride)	Breakthrough time (min.):	> 480
		Material thickness (mm):	0,35
Eye protection:			
PPE:	Protective goggles against particle impacts.		
Characteristics:	«CE» marking, category II. Eye protector against dust and smoke.		
CEN standards:	EN 165, EN 166, EN 167, EN 168		
Maintenance:	Visibility through lenses should be ideal. Therefore, these parts should be cleaned daily. Protectors should be disinfected periodically following the manufacturer's instructions.		
Observations:	Some signs of wear and tear include: yellow colouring of the lenses, superficial scratching of the lenses, scraping etc.		
Skin protection:			
PPE:	Chemical protective clothing		
Characteristics:	«CE» marking, category III. Clothing should fit properly. The level of protection must be set according to a test parameter called BT (Breakthrough Time), which indicates how long it takes for the chemical to pass through the material.		
CEN standards:	EN 464, EN 340, EN 943-1, EN 943-2, EN ISO 6529, EN ISO 6530, EN 13034		
Maintenance:	In order to guarantee uniform protection, follow the washing and maintenance instructions provided by the manufacturer.		
Observations:	The protective clothing's design should facilitate correct positioning, staying in place without moving for the period of use expected, bearing in mind environmental factors as well as any movement or position the user might adopt while carrying out the activity.		
PPE:	Anti-static safety footwear against chemicals.		
Characteristics:	«CE» marking, category III. Check the list of chemicals against which the footwear is resistant.		
CEN standards:	EN ISO 13287, EN 13832-1, EN 13832-2, EN 13832-3, EN ISO 20344, EN ISO 20345		
Maintenance:	For correct maintenance of this kind of safety footwear, it is necessary to observe the instructions specified by the manufacturer. The footwear should be replaced as soon as any sign of damage is observed.		
Observations:	The footwear should be cleaned regularly and dried when damp, although it should not be placed too close to a source of heat in order to avoid any sharp changes in temperature.		

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

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9.1 Information on basic physical and chemical properties.

Physical state: Liquid
Colour: Blue
Odour: Not applicable/Not available due to the nature/properties of the product
Odour threshold: Not applicable
Melting point: Not available
Freezing point: Not applicable
Boiling point or initial boiling point and boiling range: Not applicable
Flammability: Not available
Lower explosion limit: Not available
Upper explosion limit: Not available
Flash point: Not available
Auto-ignition temperature: Not available
Decomposition temperature: Not available
pH: 6.58 (1%)
Kinematic viscosity: Not available
Solubility: Not available
Hydrosolubility: Not applicable
Liposolubility: Not applicable
Partition coefficient n-octanol/water (log value): Not applicable
Vapour pressure: Not applicable
Absolute density: Not available
Relative density: 1.0
Relative vapour density: Not available
Particle characteristics: Not available

9.2 Other information

Other safety characteristics

Mechanical sensitivity:
 Exothermic decomposition energy: Not available
 Sensitivity to impact: Not available
 Sensitivity to friction: Not available
Self-accelerating polymerisation temperature: Not available
Formation of explosive dust/air mixtures:
 Lower explosion limit / minimum explosible concentration: Not available
 Minimum ignition energy: Not available
 Deflagration index (Kst): Not available
 Maximum explosion pressure: Not available
Acid/alkaline reserve: Not available
Evaporation rate: Not available
Miscibility: Not available
Conductivity: Not available
Corrosiveness: Not available
Gas group: Not available
Redox potential: Not available
Radical formation potential: Not available
Photocatalytic properties: Not available
Viscosity: Not applicable
Dropping point: Not applicable
Blink: Not applicable

SECTION 10: STABILITY AND REACTIVITY.

10.1 Reactivity.

The product does not present hazards by their reactivity.

10.2 Chemical stability.

Stable under the recommended handling and storage conditions (see section 7).

10.3 Possibility of hazardous reactions.

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The product does not present possibility of hazardous reactions.

10.4 Conditions to avoid.

Avoid any improper handling.

10.5 Incompatible materials.

Keep away from oxidising agents and from highly alkaline or acidic materials in order to prevent exothermic reactions.

10.6 Hazardous decomposition products.

No decomposition if used for the intended uses.

SECTION 11: TOXICOLOGICAL INFORMATION.

11.1 Information on hazard classes as defined in Regulation (EC) N° 1272/2008.

Toxicological information about the substances present in the composition.

Name	Acute toxicity			
	Type	Test	Kind	Value
2,2',2''-nitrilotriethanol	Oral	LD50	Rat	5530 mg/kg bw [1]
		LD50	Rat	6400 mg/kg bw [2]
	Dermal	[1] National Technical Information Service. Vol. OTS0516797		
		[2] Study report, 1966.		
	Inhalation	LD50	Rabbit	> 22500 mg/kg bw [1]
		[1] Union Carbide Data Sheet. Vol. 3/18/1965		
CAS No: 102-71-6	EC No: 203-049-8			

a) acute toxicity;

Not conclusive data for classification.

b) skin corrosion/irritation;

Based on available data, the classification criteria are not met.

c) serious eye damage/irritation;

Based on available data, the classification criteria are not met.

d) respiratory or skin sensitisation;

Not conclusive data for classification.

e) germ cell mutagenicity;

Not conclusive data for classification.

f) carcinogenicity;

Not conclusive data for classification.

g) reproductive toxicity;

Based on available data, the classification criteria are not met.

h) STOT-single exposure;

Based on available data, the classification criteria are not met.

i) STOT-repeated exposure;

Product classified:

Specific target organ toxicity following a repeated exposure, Category 2: May cause damage to organs through prolonged or repeated exposure.

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j) aspiration hazard;
Not conclusive data for classification.

11.2 Information on other hazards.

Endocrine disrupting properties

This product does not contain components with endocrine-disrupting properties with effects on human health.

Other information

There is no information available on other adverse health effects.

SECTION 12: ECOLOGICAL INFORMATION.

12.1 Toxicity.

Name		Ecotoxicity				
		Type	Test	Kind	Value	
2,2',2''-nitrilotriethanol	Fish	LC50	Carassius auratus	>5000 mg/L (24 h) [1]		
		LC50	Leuciscus idus	>10000 mg/l (48 h) [2]		
	Aquatic invertebrates	[1] Experimental result, Study meets generally accepted scientific principles. however, exposure period only 24 h instead of 96 h according to recent guidelines (e.g. OECD 203).				
[2] Study meets generally accepted scientific principles. however, exposure period only 48 h instead of 96 h according to recent guidelines (e.g. OECD 203)						
CAS No: 102-71-6 EC No: 203-049-8	Aquatic invertebrates	EC50	Artemia salina	5600 mg/L (24 h) [1]		
		EC50	Daphnia magna	2038 mg/l (24 h) [2]		
	Aquatic plants	[1] Brine shrimp bioassay and seawater BOD of petrochemicals. Price KS, Waggy GT and Conway RA, 1974.				
[2] Results of the harmful effects of water pollutants to Daphnia magna in the 21 day reproduction test. Kuehn R, Pattard M, Pernak KD and Winter A. 1989.						
Colpoda						
	Aquatic plants	EC0	Scenedesmus	160 mg/l [1]		
		TTC	quadricauda	715 mg/l (8 d) [2]		
		EC50	Scenedesmus subspicatus	750 mg/l (48 h) [3]		
	Aquatic plants	[1] Handbook of Environmental Data on Organic Chemicals, 2nd ed. Van Nostrand Reinhold Co., New York, USA: 518-519.				
		[2] Testing of substances for their toxicity threshold: Model organisms Microcystis (Diplocystis) aeruginosa and Scenedesmus quadricauda.				
		[3] Results of the harmful effects of water pollutants to green algae (Scenedesmus subspicatus) in the cell multiplication inhibition test.				

12.2 Persistence and degradability.

No information is available regarding the biodegradability of the substances present.

No information is available on the degradability of the substances present.

No information is available about persistence and degradability of the product.

12.3 Bioaccumulative potential.

Information about the bioaccumulation of the substances present.

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Name	Bioaccumulation			
	Log Pow	BCF	NOECs	Level
sucrose CAS No: 57-50-1 EC No: 200-334-9	-2,7	-	-	Very low
2,2',2"-nitrilotriethanol CAS No: 102-71-6 EC No: 203-049-8	-1	-	-	Very low

12.4 Mobility in soil.

No information is available about the mobility in soil.
The product must not be allowed to go into sewers or waterways.
Prevent penetration into the ground.

12.5 Results of PBT and vPvB assessment.

No information is available about the results of PBT and vPvB assessment of the product.

12.6 Endocrine disrupting properties.

This product doesn't contain components with environmental endocrine disrupting properties.

12.7 Other adverse effects.

No information is available about other adverse effects for the environment.

SECTION 13: DISPOSAL CONSIDERATIONS.

13.1 Waste treatment methods.

Do not dump into sewers or waterways. Waste and empty containers must be handled and eliminated according to current, local/national legislation.
Follow the provisions of Directive 2008/98/EC regarding waste management.

SECTION 14: TRANSPORT INFORMATION.

Transportation is not dangerous. In case of road accident causing the product's spillage, proceed in accordance with point 6.

14.1 UN number or ID number.

Transportation is not dangerous.

14.2 UN proper shipping name.

Description:
ADR/RID: Not classified as hazardous for transport.
IMDG: Not classified as hazardous for transport.
ICAO/IATA: Not classified as hazardous for transport.

14.3 Transport hazard class(es).

Transportation is not dangerous.

14.4 Packing group.

Transportation is not dangerous.

14.5 Environmental hazards.

Transportation is not dangerous.

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Transport by ship, FEm – Emergency sheets (F – Fire, S - Spills): Not applicable.

14.6 Special precautions for user.

Transportation is not dangerous.

14.7 Maritime transport in bulk according to IMO instruments.

Transportation is not dangerous.

SECTION 15: REGULATORY INFORMATION.

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture.

The product is not affected by the Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer.

The product is not affected by Directive 2012/18/EU (SEVESO III).

Information related to Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products:

Product Type	Group
Rodenticides	Pest control

Active substances	Concentration %
calcium dihydroxide CAS No: 1305-62-0 EC No: 215-137-3	0,37
bronopol (INN); 2-bromo-2-nitropropane-1,3-diol CAS No: 52-51-7 EC No: 200-143-0	0,05
brodifacoum (ISO); 4-hydroxy-3-(3-(4'-bromo-4-biphenyl)-1,2,3,4-tetrahydro-1-naphthyl)coumarin CAS No: 56073-10-0 EC No: 259-980-5	0,0025

The product is not affected by the procedure established Regulation (EU) No 649/2012, concerning the export and import of dangerous chemicals.

Kind of pollutant to water (Germany): WGK 1: Slightly hazardous to water. (Autoclassified according to the AwSV Regulations)

15.2 Chemical safety assessment.

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16: OTHER INFORMATION.

Complete text of the H phrases that appear in section 3:

H300	Fatal if swallowed.
H302	Harmful if swallowed.
H310	Fatal in contact with skin.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H335	May cause respiratory irritation.
H360D	May damage the unborn child.
H372	Causes damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.(sangre)
H373	May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.(sangre)
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

-Continued on next page.-

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)



K.O. RAT Pasta Brodifacoum 25ppm

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Classification codes:

Acute Tox. 1 : Acute toxicity (Dermal), Category 1
Acute Tox. 1 : Acute toxicity (Inhalation), Category 1
Acute Tox. 1 : Acute toxicity (Oral), Category 1
Acute Tox. 4 : Acute toxicity (Dermal), Category 4
Acute Tox. 4 : Acute toxicity (Oral), Category 4
Aquatic Acute 1 : Acute toxicity to the aquatic environment, Category 1
Aquatic Chronic 1 : Chronic effect to the aquatic environment, Category 1
Eye Dam. 1 : Serious eye damage, Category 1
Repr. 1A : Reproductive toxicant, Category 1A
STOT RE 1 : Specific target organ toxicity following a repeated exposure, Category 1
STOT RE 2 : Specific target organ toxicity following a repeated exposure, Category 2
STOT SE 3 : Specific target organ toxicity following a single exposure, Category 3
Skin Irrit. 2 : Skin irritant, Category 2

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Physical hazards	On basis of test data
Health hazards	Calculation method
Environmental hazards	Calculation method

It is advisable to carry out basic training with regard to health and safety at work in order to handle this product correctly.

Changes regarding to the previous version:

- Precautionary statements (SECTION 2.2)

Abbreviations and acronyms used:

AwSV: Facility Regulations for handling substances that are hazardous for the water.
BCF: Bioconcentration factor.
CEN: European Committee for Standardization.
DMEL: Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be considered a tolerable minimum.
DNEL: Derived No Effect Level, level of exposure to the substance below which adverse effects are not anticipated.
EC50: Half maximal effective concentration.
PPE: Personal protection equipment.
LC50: Lethal concentration, 50%.
LD50: Lethal dose, 50%.
NOEC: No observed effect concentration.
PNEC: Predicted No Effect Concentration, concentration of the substance below which adverse effects are not expected in the environmental compartment.
WGK: Water hazard classes.

Key literature references and sources for data:

<http://eur-lex.europa.eu/homepage.html>

<http://echa.europa.eu/>

Regulation (EU) 2020/878.

Regulation (EC) No 1907/2006.

Regulation (EC) No 1272/2008.

The information given in this Safety Data Sheet has been drafted in accordance with COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemical substances and mixtures (REACH).

The information in this Safety Data Sheet on the Preparation is based on current knowledge and on current EC and national laws, as far as the working conditions of the users is beyond our knowledge and control. The product must not be used for purposes other than those that are specified without first having written instructions on how to handle. It is always the responsibility of the user to take the appropriate measures in order to comply with the requirements established by current legislation. The information contained in this Safety Sheet only states a description of the safety requirements for the preparation, and it must not be considered as a guarantee of its properties.

-End of safety data sheet.-