

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



RODILON SOFT BLOCK

Version:
1.1

Revision Date:
30.08.2023

Date of Issue:
12.12.2023

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name : RODILON SOFT BLOCK
Product code : Article/SKU: 85848135 UVP: 79855036 Specification: 102000023729

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

Use of the Sub-stance/Mixture : Biocide product (PT14 - Rodenticides)
Bait used for the control of rodents

1.3 Details of the supplier of the safety data sheet

Company : 2022 Environmental Science FR S.A.S.
Milton Hall, Ely Rd., Milton
Cambridge CB24 6WZ, United Kingdom
Telephone : 00800 1214 451
E-mail address of person responsible for the SDS : service.clients.es.france@envu.com

1.4 Emergency telephone number

For Emergency or Spill call:
+32 2 808 32 37 (24/7 multilingual support)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture:

In compliance with EC regulation No. 1272/2008 and its amendments.

Specific target organ toxicity (repeated exposure), Category 2 (STOT RE 2, H373).

Hazardous to the aquatic environment - Chronic hazard, Category 3 (Aquatic Chronic 3, H412).

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

2.2 Label elements

In compliance with EC regulation No. 1272/2008 and its amendments.



Hazard pictograms:

GHS08

Signal word : WARNING

Hazard statements:

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

H412 Harmful to aquatic life with long lasting effects.

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



RODILON SOFT BLOCK

Version:
1.1

Revision Date:
30.08.2023

Date of Issue:
12.12.2023

Precautionary statements - Prevention:
P273 Avoid release to the environment.
Precautionary statements - Response:
P314 Get medical advice/attention if you feel unwell.
Precautionary statements - Disposal:
P501 Dispose of contents/container to local/national regulations.

2.3. Other hazards:

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) $\geq 0.1\%$ published by the European Chemicals Agency (ECHA) under article 57 of REACH <http://echa.europa.eu/fr/candidate-list-table>. The mixture fulfils neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

SECTION 3: Composition/information on ingredients

3.1. Substances:

Not applicable

3.2. Mixtures:

Composition :

Identification	Classification (EC) 1272/2008	Note	%
CAS: 104653-34-1 EC: 600-594-7 DIFETHIALONE	GHS06, GHS09, GHS08 Dgr Acute Tox. 1, H300 Acute Tox. 1, H310 Acute Tox. 1, H330 Repr. 1B, H360D STOT RE 1, H372 Aquatic Acute 1, H400 M Acute = 100 Aquatic Chronic 1, H410 M Chronic = 100 EUH:070	[2]	$0 \leq x \% < 2.5$

Specific concentration limits:

Identification	Specific concentration limits	ATE
CAS: 104653-34-1 EC: 600-594-7 DIFETHIALONE	Repr. 1B: H360D $C \geq 0.003\%$ STOT RE 1 (Oral) : H372 $C \geq 0.02\%$ STOT RE 2: H373 $0.002\% \leq C < 0.02\%$	dermal: ATE = 7.9 mg/kg BW oral: ATE = 0.55 mg/kg BW

Information on ingredients :

(Full text of H-phrases: see section 16)

[2] Carcinogenic, mutagenic or reprotoxic (CMR) substance.

SECTION 4: First aid measures

As a general rule, in case of doubt or if symptoms persist, always call a doctor. NEVER induce swallowing by an unconscious person.

4.1 Description of first aid measures

In the event of splashes or contact with eyes:

Wash thoroughly with fresh, clean water for 15 minutes holding the eyelids open.

If there is any redness, pain or visual impairment, consult an ophthalmologist.

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



RODILON SOFT BLOCK

Version:
1.1

Revision Date:
30.08.2023

Date of Issue:
12.12.2023

In the event of splashes or contact with skin :

Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

In the event of swallowing :

- Seek medical attention, showing the label.
- Do not absorb anything through the mouth
- DO NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Clinical symptoms: nosebleed, gum bleed, spitting blood, multiple or large haematoma, generally sudden appearance of an unusual visceral pain.

Biological symptoms: blood in the urine, increase in coagulation time. In all cases of suspected exposure, medical assistance should be sought.

Show this data sheet. See antidotal therapy below. Note that poisoning symptoms may develop over the course of several days.

Note that poisoning symptoms may develop over the course of several days.

4.3 Indication of any immediate medical attention and special treatment needed

Primary treatment is antidotal therapy rather than clinical assessment. Antidotal therapy: specific vitamin K1 (phytonadione). Analogues of Vitamin K1 (vitamin K3: menadione for example) are not very active and should not be used. The efficacy of the treatment should be followed by measuring the coagulation time.

The treatment should not be discontinued until the coagulation time returns to normal and REMAINS normal. In case of serious intoxication, it may be necessary to administer, in addition to vitamin K1, blood or frozen fresh plasma or PPSB coagulant blood fraction transfusions.

SECTION 5: Firefighting measures

Non-flammable

5.1 Extinguishing media

Suitable methods of extinction

In the event of a fire, use:

- foam
- powder
- carbon dioxide (CO2)
- sprayed water or water mist

5.2 Special hazards arising from the substance or mixture

Mixture has no known formation of hazardous decomposition substances under normal storage conditions. Normal products of organic combustion will be released under conditions of pyrolysis or combustion.

5.3 Advice for fire fighters

Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes. Prevent fire-extinguishing water from contaminating surface water or the ground water system.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment, and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



RODILON SOFT BLOCK

Version:
1.1

Revision Date:
30.08.2023

Date of Issue:
12.12.2023

6.2 Environmental precautions

Prevent any material from entering drains or waterways.

Recover the product, put it in a container, label it and have it destroyed by an approved destroyer in accordance with the regulations in force.

If polluted water reaches drainage systems or water courses, immediately inform the competent authorities.

6.3 Methods and material for containment and cleaning up

Retrieve the product by mechanical means (sweeping/vacuuming).

Retrieve the product by mechanical means (sweeping/vacuuming).

Immediately inform the competent authorities if contaminated water reaches drains, groundwater or surface water.

Clean the contaminated area with water and detergent. Avoid dispersal of cleaning water to sewers and waterways.

6.4 Reference to other sections

No data available.

SECTION 7: Handling and storage

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1 Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Fire prevention:

Prevent access by unauthorized personnel.

Recommended equipment and procedures:

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Avoid exposure - obtain special instructions before use.

Prohibited equipment and procedures:

No smoking, eating or drinking in areas where the mixture is used.

7.2 Conditions for safe storage, including any incompatibilities.

keep in the original packaging.

keep out of reach of children.

keep away from food and drink including those for animals.

Store locked up or accessible to authorised or qualified personnel only.

7.3 Specific use(s):

Biocide product (PT14 – Rodenticide) - Bait used for the control of rodents

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No data available.

8.2. Exposure controls

In case of frequent or prolonged use, it is recommended to undergo a verification of the coagulation time.

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



RODILON SOFT BLOCK

Version:
1.1

Revision Date:
30.08.2023

Date of Issue:
12.12.2023

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE):



Use personal protective equipment that is clean and has been properly maintained.
Store personal protective equipment in a clean place, away from the work area.
Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Hand protection

Gloves must be selected according to the application and duration of use at the workstation.
Protective gloves need to be selected according to their suitability for the workstation in question: other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

Type of gloves recommended:

- Natural latex

- Body protection

Work clothing worn by personnel shall be laundered regularly.
After contact with the product, all parts of the body that have been soiled must be washed.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	solid
Color:	blue
Odor threshold:	not stated
Odor:	Cereal odour
Melting point/freezing point:	not relevant
Boiling point/boiling range:	not relevant
Flammability:	not stated
Lower and upper explosion limits:	not stated
Flash point:	not relevant
Auto-ignition temperature:	not relevant
Decomposition point / temperature:	not relevant
pH-value:	not stated
Kinematic viscosity:	not stated
Solubility	
-in water:	insoluble
-in fat solubility :	not stated
Partition coefficient: n-octanol/water:	not stated
Vapour pressure (50°C):	not relevant
Density:	> 1
Relative vapour density:	not stated

9.2 Other information

No data available.

9.2.2 Other safety characteristics:

No data available.

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



RODILON SOFT BLOCK

Version:
1.1

Revision Date:
30.08.2023

Date of Issue:
12.12.2023

SECTION 10: Stability and reactivity

10.1 Reactivity

The mixture is not known to undergo any hazardous reactions under normal handling conditions.

10.2 Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

The mixture is not known to undergo any hazardous reactions under normal handling conditions.

10.4 Conditions to avoid:

The mixture is not known to undergo any hazardous reactions under normal handling conditions.

10.5 Incompatible materials

The mixture is not known to undergo any hazardous reactions under normal handling conditions.

10.6 Hazardous decomposition products:

The mixture is not known to produce hazardous decomposition products under normal storage conditions.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No. 1272/2008:

May cause severe damage to organs in the event of repeated or prolonged exposure.

11.1.1. Substances

DIFETHIALONE (CAS 104653-34-1)

Acute toxicity:

Oral route

LD50 = 0.55 mg/kg bodyweight/day

Species : rat,

EPA OPP 81-1 (Acute Oral Toxicity)

Dermal route

LD50 = 7.9 mg/kg bodyweight/day

Species : rat,

EPA OPP 81-2 (Acute Dermal Toxicity)

Inhalation route (Dusts / mist)

LC50 > 0.005 mg/l

Species : rat

EPA OPP 81-3 (Acute inhalation Toxicity)

Reproductive toxicity:

According to studies: No observed adverse effects.

RAC conclusion: This substance is considered to be potentially toxic for foetal development based on human teratogenicity data available for warfarin.

Specific target organ systemic toxicity - repeated exposure :

DIFETHIALONE (CAS 104653-34-1)

Acute toxicity:

Oral route

C = 0.004 mg/kg bodyweight/day

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



RODILON SOFT BLOCK

Version:
1.1

Revision Date:
30.08.2023

Date of Issue:
12.12.2023

Species : rat
Duration of exposure : 90 days
EPA OPP 82-1 (90-Day Oral Toxicity)

11.1.2. Mixture

Acute toxicity:

Oral route

No observed effect.
Species : rat,
LD50 > 2000 mg/kg
OECD Guideline 423 (Acute Oral toxicity Acute Toxic Class Method)

Dermal route

No observed effect.
Species : rat
LD50 > 2000 mg/kg
OECD Guideline 402 (Acute Dermal Toxicity)

11.2. Information on other hazards:

SECTION 12: Ecological information

Harmful to aquatic life with long lasting effects.
The product must not be allowed to run into drains or waterways.

12.1 Toxicity:

12.1.1. Substances

DIFETHIALONE (CAS 104653-34-1)

Fish toxicity

LC50 = 0.051 mg/l
Factor M = 100
Species : *Salmo gairdneri*
Duration of exposure : 96 h
OECD Guideline 203 (Fish, Acute Toxicity Test)

Crustacean toxicity :

EC50 = 0.004 mg/l
Factor M = 100
Species : *Daphnia magna*
Duration of exposure : 48 h
OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

Algae toxicity :

ECr50 = 0.180 mg/l
Factor M = 1
Species: *Scenedesmus capricornutum*
Duration of exposure: 72 h
OECD Guideline 201 (Alga, Growth Inhibition Test)

NOEC = 0.032 mg/l
Factor M = 100
Species : *Scenedesmus capricornutum*
Duration of exposure: 96 h
OECD Guideline 201 (Alga, Growth Inhibition Test)

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



RODILON SOFT BLOCK

Version:
1.1

Revision Date:
30.08.2023

Date of Issue:
12.12.2023

12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

12.2 Persistence and degradability

The substance contained in the preparation underlies a quick photochemical degradation by the UV part of light.

12.2.1. Substances

DIFETHIALONE (CAS: 104653-34-1)

Biodegradability: Non-rapidly degradable.

12.3 Bioaccumulative potential

12.3.1. Substances

DIFETHIALONE (CAS: 104653-34-1)

Octanol/water partition coefficient: log K_{ow} = 6.29
Bioaccumulation: BCF = 39974

12.4 Mobility in soil:

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6. Endocrine disrupting properties

No data available.

12.7. Other adverse effects

No data available.

SECTION 13: Disposal considerations

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods:

Do not pour into drains or waterways.

Waste :

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging :

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

The empty container should not be used for any other purpose.

Codes of wastes (Decision 2014/955/EC, Directive 2008/98/EEC on hazardous waste) :

06 13 01 * inorganic plant protection products, wood-preserving agents and other biocides.

SECTION 14: Transport information

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



RODILON SOFT BLOCK

Version:
1.1

Revision Date:
30.08.2023

Date of Issue:
12.12.2023

-
- 14.1. UN number or ID number: --
- 14.2. UN proper shipping name: --
- 14.3. Transport hazard class: --
- 14.4. Packing group: --
- 14.5. Environmental hazards: --
- 14.6. Special precautions for user: --
- 14.7. Maritime transport in bulk according to IMO instruments: --

SECTION 15: Regulatory information

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

Classification and labelling information included in section 2:

The following regulations have been used:

- EU Regulation No. 1272/2008 amended by EU Regulation No. 2022/692 (ATP 18)

Particular provisions :

No data available.

Labelling for biocidal products (Regulation (UE) n° 528/2012) :

Name	CAS	%	Product-type
DIFETHIALONE	104653-34-1	0.03 g/kg	14

Product-type 14: Rodenticides.

15.2. Chemical safety assessment

The active substance contained in this product is exempt from chemical safety assessment.

SECTION 16: Other information

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

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

Classification in accordance with Regulation (EC) No 1272/2008	Classification procedure
STOT RE 2, H373	Calculation method.
Aquatic Chronic 3, H412	Calculation method.

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



RODILON SOFT BLOCK

Version:
1.1

Revision Date:
30.08.2023

Date of Issue:
12.12.2023

Wording of the phrases mentioned in section 3 :

H300	Fatal if swallowed.
H310	Fatal in contact with skin.
H330	Fatal if inhaled.
H360D	May damage the unborn child.
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.
EUH070	Toxic by eye contact.

Abbreviations and acronyms:

LD50 : The dose of a test substance resulting in 50% lethality in a given time period.
LC50 : The concentration of a test substance resulting in 50% lethality in a given period.
EC50 : The effective concentration of substance that causes 50% of the maximum response.
ECr50 : The effective concentration of substance that causes 50% reduction in growth rate.
NOEC : The concentration with no observed effect.
REACH : Registration, Evaluation, Authorization and Restriction of Chemical Substances.
ATE : Acute Toxicity Estimate
BW : Body Weight
CMR: Carcinogenic, mutagenic or reprotoxic.
ADR : European agreement concerning the international carriage of dangerous goods by Road.
IMDG : International Maritime Dangerous Goods.
IATA : International Air Transport Association.
ICAO : International Civil Aviation Organisation
RID : Regulations concerning the International carriage of Dangerous goods by rail.
WGK : Wassergefährdungsklasse (Water Hazard Class).
GHS08 : Health hazard
PBT: Persistent, bioaccumulable and toxic.
vPvB : Very persistent, very bioaccumulable.
SVHC : Substances of very high concern.

Note:

This data sheet has been generated according to the safety data sheet supplied by the manufacturer of the product.

Liphatech SAS