

SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH)

Penergetic b WV - proactive

Version 1
Revised on: June 18th 2021

1. Identification of the substance / mixture and of the company

1.1. Product identification

Product name : Penergetic b WV - proactive
Article code : 3154

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

Use of the substance/mixture : Wildlife deterrent
Uses advised against : There are no uses advised against.

1.3 Details of the supplier of the safety data sheet

Company : Penergetic International AG
Romiszelgstrasse 1
8590 Romanshorn
Switzerland
Telephone : +41 71 466 60 20
Telefax : +41 71 466 70 20
E-mail address : info@penergetic.com

1.4 Emergency number Switzerland : Tox Info Suisse
Tel. 0041-44-251-51-51
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Section 2: Hazards identification

2.1. Classification of the substance or mixture

Subject to the Regulation (EC) No 1272/2008

According to regulation (EC) No 1272/2008 the material is classified as not hazardous.

2.2. Label elements

- Subject to the Regulation (EC) No 1272/2008
According to the regulation (EC) No 1272/2008 it is not necessary to be labelled.
- Hazardous ingredients for labelling
Not applicable

2.3. Other hazards

Dusts can irritate by mechanical stimulation eyes and respiratory system. Long-term inhalation of inorganic dust can lead to a dust disease (pneumoconiosis). It is necessary to observe occupational exposure limits!

WARNING: The product contains <1% citric acid. Citric acid can cause serious eye irritation (H319). According to regulation (EC) No 1272/2008, the cut-off value /concentration limit of citric acid in mixtures is $\geq 1\%$. The presence of the substance must therefore not be taken into account in the hazard identification.

Section 3: Composition/information on ingredients

3.1 Substances

Not relevant (mixture)

3.2 Mixtures

Ingredient 1:		Concentration in mixture
Name of substance	Zeolites	99.1%
EC number	215-283-8	
CAS number	1318-02-1	

Ingredient 2:		Concentration in mixture
Name of substance	Citric Acid	0.9%
EC number	201-069-1	
CAS number	77-92-9	

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Section 4: First – aid measures

4.1. Description of first aid measures

In case of affliction seek medical assistance.
No application at all in case of loss of consciousness or convulsions.

- **After inhalation:**
In case of acute overexposure, move into fresh air. In case of massive accidental inhalation, seek medical assistance. In case of unconscious place and transport person in recovery position.
- **After skin contact:**
Clean skin with clear water.
In case of affliction seek medical assistance.
- **After eye contact:**
Direct contact can cause irritation. Wash the affected eye(s) copiously with clean water for 10 – 15 minutes. Don't rub. If irritation or redness develops, seek medical assistance.
- **After ingestion:**
Rinse with cold water. Don't induce vomiting. Drink water. In case of affliction seek medical assistance.

4.2. Most important symptoms and effects, both acute and delayed:
No Information available

4.3. Indication of any immediate medical attention and special treatment needed:
Depending on the condition of the patient, symptoms and general condition should be judged by a doctor.

Section 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media
Product itself is not flammable – firefighting measures focus on ambient conditions
- For safety reasons unsuitable
High pressure waterjet

5.2. Special hazards arising from the substance or mixture

Inflammable.
During fire following gasses may incur: CO_x

5.3. Advice for firefighters

Special protection: Use self-contained breathing apparatus and closed protection suit.

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Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Limited access to affected area, until cleaning operations has been completed. Wear suitable security equipment. Ensure adequate ventilation. Avoid formation of dust. Don't inhale dust. Avoid eye contact.

6.2. Environmental precautions

Product shouldn't reach drains/ surface water or ground water.

6.3. Methods and material for containment and cleaning up

Pick up mechanically. Avoid formation of dust. Clean up. Dispose material according to regulations (also see Section 13)

6.4. Reference to other sections

Safety measures see section 8

Dispose of material see section 13

Section 7: Handling and storage

7.1. Precautions for safe handling

Make sure you have adequate ventilation/exhaustion. Avoid eye and skin contact. Keep box tightly closed and open with care. Avoid formation of dust. Follow legal protection and safety rules.

7.2. Conditions for safe storage, including any incompatibilities

- Protection of fire an explosions
No special measures required. Do not smoke.
- Requirements to boxes and storage
Store product dry and airtight. Use sufficient ventilation.
- Incompatibility with other materials
Not known
- Storage temperature
Ambient temperature
- Ordinance on flammable liquids
Not applicable

7.3. Specific end use(s)

Filler, extender and carrier for several kind of applications in industry and technics, further feed additive, soil additive, and plant adjuvant in agriculture

Section 8: Exposure controls and personal protection

8.1. Control parameters

The occupational exposure limits have to be obeyed.

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MAK-Values [Maximum Workplace Concentration] (valid in Austria according to GKV 2011 Annex 1)

Name	CAS#	MAK	Daily average/ short time value		Note	Duration
			[ppm]	[mg/m ³]		
Biologically inert suspended matter	---	MAK	---	10 E/20E 5A/10A	---	---

E... respirable fraction

A... alveolar fraction

Occupational exposure limits (valid for Germany according to TRGS 900 Jan. 2006) – modified 11/2015

Name	CAS#	Limiting value		Peak limit	Note*
		[ppm]	[mg/m ³]		
General limit for dust (changed 02/14)			1,25 A/ 10E	2 (II)	AGS, DFG

AGS... Committee on Hazardous Substances

DFG... German research foundation

DNEL-Value (derived level of exposure without impairment)

No data available

PNEC Value

No data available

8.2. Exposure controls

- **General protection and hygiene measures**

General precautionary measure during the handling of chemicals should be followed. Avoid contact with food and beverage. Do not drink or eat during work, before making a break and after end of work wash hands. Avoid eye and skin contact. Obviate inhaling dust. Remove contaminated cloth and clean it before reuse.

Choose protection according to work specific hazardous material concentration and hazardous material amount. The resistance to chemicals of protective equipment should be clarified by the responsible suppliers.

- **Respiratory protection**

Approved dust masks should be worn to prevent overexposure in case the dust level exceeds the authorised limits.

- **Hand protection**

Protective gloves are recommended.

For choosing the right gloves some points have to be taken into account. Besides type of material and its thickness, breakthrough time and degradation should be checked.

- **Eye protection**

If necessary, safety goggles may be worn to prevent eye contact with large quantities of airborne dust.

- **Body protection**

Work clothes

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- **Environment exposure and control measures**
Product shouldn't reach drains/ surface water or ground water.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:	Powder or granulates (depending on product)
Colour:	beige or grey
Odour:	minerally, typically
Odour threshold:	inapplicable
pH value:	inapplicable
Melting point:	no information available
Initial boiling point/boiling area:	no information available
Flash point:	Inapplicable
Evaporation rate:	inapplicable
Flammability (solid, gas):	The substance is not flammable.
Upper explosive limit:	no information available
Lower explosive limit:	no information available
Vapour pressure (50°C):	no information available
Vapour density (20°C):	2,2 – 2,4g/cm ³
Relative density:	380 – 800g/dm ³
Solubility in Water (20°):	insoluble
Partition coefficient: n-octanol/water:	no information available
Auto-ignition temperature:	no information available
Decomposition temperature:	no information available
Viscosity (20°C):	no information available
Explosive properties:	not explosive
Oxidising properties:	no oxidising characteristics

9.2. Other Information

Particle size: depends on product and specification

Section 10: Stability and reactivity

10.1. Reactivity

There are no harmful reactions expected, if stored and used within the approved utilisation.

10.2. Chemical stability

Under normal ambient and anticipated storage and handling conditions no decomposition is estimated.

10.3. Possibility of hazardous reaction

No hazardous reactions known.

10.4. Conditions to avoid

Moisture

10.5. Incompatible materials

Before using: H₂O and H₂O-vapor, heavy metals, ammonium und ammonia

10.6. Hazardous decomposition products

If used correctly no decomposition is expected.

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Section 11: Toxicological information

11.1. Information on toxicological effects

Toxicity studies haven't been conducted on this product.

- **Acute Toxicity**
LC50 (inhalation/rat) >18300 mg/m³ (source: Hazmap)
The classification criteria aren't met by virtue of the available data.
- **Skin corrosion/irritation**
The classification criteria aren't met by virtue of the available data.
- **Serious eye damage/irritation**
The classification criteria aren't met by virtue of the available data.
- **Respiratory or skin sensitisation**
None known
- **Germ cell mutagenicity**
The classification criteria aren't met by virtue of the available data.
- **Carcinogenicity**
Zeolites has been listed through the international agency for research on cancer (IARC) as group 3 (The agent (mixture or exposure circumstance) is not classifiable as to its carcinogenicity to humans)
The classification criteria aren't met by virtue of the available data.
- **Reproductive toxicity**
The classification criteria aren't met by virtue of the available data.
- **STOT-singe exposure**
The classification criteria aren't met by virtue of the available data.
- **STOT-repeated exposure**
The classification criteria aren't met by virtue of the available data.
- **Aspiration hazard**
The classification criteria aren't met by virtue of the available data.
- **Other information**
The material is listed according to Regulation (EC) No 1272/2008 Annex I.
While eye contact and inhalation irritation through mechanical friction is possible. Frequently or prolonged skin contact can cause dry skin.

Section 12: Ecological information

12.1. Toxicity

The material is listed according to Regulation (EC) No 1272/2008 Annex I.

- **Aquatic toxicity of individual parts**
No data available.

12.2. Persistence and degradability

Methods for purposing biodegradation cannot be used at inorganic materials.

12.3. Bioaccumulative potential

No data available

12.4. Mobility in Soil

No data available

12.5. Results of PBT and vPvB assessment

Not applicable for inorganic material

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Section 13: Disposal Considerations

13.1. Waste treatment methods

Product residues have to be disposed by authorised companies

Product shouldn't reach drains/ surface water or ground water.

- **Waste code number**

Through to several kind of applications, it is not possible to classify one waste code number. The classification must be done at consumers' side in cooperation with the waste management company.

- **European waste catalogue**

16 03 04 – inorganic waste other than those mentioned in 16 03 03

Note: The European waste catalogue code is source-related. This can lead to another classification, the decision must be taken by the last user.

- **Empty uncleaned packaging**

Advice: Empty container completely. Bring boxes to a specialized company for recycling, reuse or disposal.

Section 14: Transport information

Not hazardous according to the transport regulations for land, sea and air.

14.1. UN Number

To be omitted.

14.2. UN proper shipping name

To be omitted

14.3. Transport hazard class(es)

To be omitted

14.4. Packaging group

To be omitted

14.5. Environmental hazards

To be omitted

14.6. Special precautions for user

To be omitted

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

To be omitted

15. Regulatory Information

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

This safety datasheet fulfils the requirements according to REACH Regulation (EC) No 1907/2006 and Commission regulation (EU) 2015/830. The substance is classified according regulation (EC) No 1272/2008 Annex I.

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National regulations

Austria

- **ChemG 1996 – Novelle 2011**
This product is not dangerous according to the Austrian chemical law from 1996 – novella 2011.
- **Regulation concerning flammable liquids**
Not applicable

Germany

- **Water hazard class according to VwVwS of 27 July 2005 – No. 1315**
Not water hazardous

15.2. Chemical safety assessment

No chemical safety assessment executed.

16. Other Information

This material safety data sheet completes the technical data sheets but does not replace them.

The information it contains is based on our present knowledge of the product on the date indicated. It is given in good faith. Users should be warned about the risks associated with the use of a product for a different purpose than that for which it was developed.

These regulatory prescriptions are provided with a view to helping the user fulfil his/her obligations when using this product. This list should not be considered as exhaustive and does not discharge the user from ensuring that other obligations do not exist other than those mentioned above concerning product possession and handling for which he/she is solely responsible.

The classification is based on information provided to the European Chemicals Agency (ECHA)

- **Relevant H Phrases**
Be omitted
- **Relevant hazardous categorisation**
Be omitted