



Pathogon Eco Mould Away Ready To Use Organic Stage One Mould Treatment

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) No. 2015/830

Version: 1.3
Revision date: 03.10.2025
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Section 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name: Pathogon Eco Mould Away Ready To Use Organic Stage One Mould Treatment
Part No: PERTU- OSOMT

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

Use of substance / mixture: Bioactive cleaning material with environmentally acceptable detergents to safely encapsulate and remove mould spores, grease, oil and mould deposits safely.
For professional and consumer use.

Mode of operation: Emulsify because of a very low surface tension with strong contaminations.

Exposure scenario: Unnecessary.

1.3 Details of the supplier of the safety data sheet

Company name: Nanovet Limited, Cavendish House, Welbeck Estate, Nottinghamshire S80 3LL UK
Telephone: +44 (0)1909 511233
Mobile: +44 (0)7740 625799
Email: stephen@nanovet.co.uk
Website: www.nanovet.co.uk

1.4 Emergency telephone number

Emergency line: +44 (0)7740 625799
Competent Person Email: stephen@nanovet.co.uk

Section 2: Possible Dangers

2.1 Name of dangers

Not subject to marking. Please take notice of the security data sheet's information. The preparation isn't classified as dangerous in the sense of the directive 1999/45/EG. The product isn't obliged to be registered in pursuance of Regulation (EG) No.1907/2006 for Registry, Evaluation, Authorisation and Restriction of Chemicals (REACH). The product isn't governed by the dangerous substance enactment (GefStoffV) and the CLP (GHS).

Classification: None

2.2 Specific hints of danger for human beings and environment

S 1/2 Store closed and beyond the reach of children.
S 25 Avoid eye contact. GHS P262
S 26 In case of eye contact deep clean with water immediately and contact a doctor.
GHS: P305+P351+P338+P313 No H-hazards, NO danger or warning signs are necessary

Section 3: Composition / information about the components

3.1 Chemical characterisation (substance) reserved

3.2 Chemical characterisation (preparation)

Description 1-5% anionic and amphoteric surfactants, water

3.2.2 Dangerous ingredients - reserved -

The formula does not contain any dangerous ingredients.
Explanation of the R-sentences see paragraph 16.
Name REACH no.
CAS no.
EG no.
Concentration classification/identification remark Symbol R-sentences

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3.2.3 Additional hints

Section 4: First aid measures

General hints	Nothing to report
After breathing	Nothing to report
After skin contact	Nothing to report
After eye contact	In case of eye contact deep clean with water immediately and contact a doctor.
After swallowing	Nothing to report
Hints for the doctor	Nothing to report

Section 5: Fire-fighting procedures

Suitable extinguishing agents	All extinguishing agents are suitable.
Unsuitable extinguishing agents	Nothing to report
Special endangerment by the substance or the product itself, its combustion products or arising gases	Unknown
Special protective equipment in the case of fire fighting	Nothing to report
Additional hints	The product is non-flamable. The product is to be applied for the explosion backup in the case of fuel spots.

Section 6: Measures in the case of unintended exposition

Individual-related precautionary measures	Nothing to report
Environmental precautionary measures	Safe when diluted according to instructions.
Cleaning procedure	Wash up or thin down with a lot of water.
Additional hints	Nothing to report

Section 7: Handling and storage

7.1 Handling

Hints for secure dealing	With appropriate use no special measures are necessary. Harmless in accordance with the LMBG (Foodstuffs and Consumer Goods Law). (Tested by Fresenius in 2001). After cleaning wash up objects and production facilities with water radically.
Technical measures	None
Specific requirements or handling regulations	None
Fire-fighting and explosion protection hints	The product itself doesn't burn. From the product itself doesn't emanate any danger of explosion. The product is to be applied for the explosion backup in the case of fuel spots.
Additional information	None

7.2 Storage

Technical measures / storage	Containers have to be closed tightly. Protect against frost. Protect against air/oxygen access (leads to a lower pH-value and thereby to the biological depletion).
Packing materials	Nothing to report
Requirements for storerooms and containers	Storerooms have to be frost-proof.
Information about storage of different materials nearby	None
Storage class VCI No allocation	Nothing to report
Additional information about the storage conditions	Nothing to report
Specific use	Nothing to report

Section 8: The exposition's limitation and monitoring/personal protection equipment

8.1 Limits for the work place's exposition and/or biological limits - Not applicable.

8.1.1 Work place's limits (AGW) Germany

Specification:

Value:

Peak clipping:

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Work place's directive limits in the European Union

Specification:

Short time value (STEL):

Long time value (8h TWA):

Hint "skin":

DNEL and PNEC values of the REACH relevant ingredients from chapter 3:

Hint: The mentioned DNELs are derivated provisorily.

EINECS no. name content (%)

DNEL (oral, acute)

DNEL (dermal, acute)

DNEL (inhalative, acute)

PNEC:

8.2 The exposition's limitation and monitoring

The exposition's limitation and monitoring at the work place

Technical measure to avoid exposition See chapter 7. No further measures are necessary.

Personal protection equipment -

Breathe protection -

Hand protection Suitable gloves

Eye protection If necessary wear protective goggles.

Body protection

8.4 Information about work hygiene

8.5 Limitation and monitoring of the environmental exposition (environmental protection measures)

See chapter 7. No further measures are necessary. Ground/water: don't get it into the canalisation or waters at full strength. Air:

8.6 The exposition's limitation and monitoring in the end-consumer's products

Section 9: Physical and chemical characteristics

9.1 Appearance

Aggregate state	Liquid
Colour	Bright yellow to bright green
Odour	Characteristic

9.2 Safety-relevant data

Parameter value unit method remark

Change of state

Boiling range about 100°C

Melting range n. a. °C

Flashpoint: inflammable °C

Ignition temperature: n. a. °C

Self inflammable point: n. a.

Fire providing characteristics: None

Danger of explosion: None

Inferior explosion limit: n. a. Vol %

Superior explosion limit n. a. Vol %

Steam pressure: n. b. hPa at 20 °C

Density: 1,1 – 1,12 g/cm³

Bulk density: n. b. kg/m³

Solubility: completely mixable in water g/l at 20 °C

pH-value: 10,8– 11,3

Distribution coefficient: n-octyl alcohol/water (Lg pOW)

Viscosity: 300 – 600 cSt (mm²/s) at 20 °C

Solvent separation test: n. a.

Solvent content: n. a. Vol %

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9.3. Substance group relevant characteristics

9.4. Additional information

Section 10: Stability and reactivity

10.1 Conditions to be avoided

Stable with the dealing and storage conditions described in chapter 7.

10.2 Substances to be avoided

Air/oxygen access leads to a lower pH-value and thereby to a biological depletion.

10.3 Dangerous decomposition products - None

Section 11: Toxicological information

11.1 Toxicokinetics, metabolism and distribution

11.2 Acute effects (toxicological tests)

Acute Toxicity

Substance: biogenic high polymer

EINECS-no.:

LD50 (oral): > 2,000 mg/kg rat

LD50 (dermal): rabbit

LD50 (inhalative): rat

Specific symptoms in animal experiments

After swallowing: Nothing to report

After skin contact: Nothing to report

After breathing: Nothing to report

After eye contact: Nothing to report

11.3 Stimulation/etching effect Skin: none Eye: stimulation avoid eye contact Airways: none

11.4 Sensitisation

After skin contact: the biogenic high polymer doesn't lead to a barrier damage of the skin. No rise in the trans-epidermal loss of water.

Sub-acute oral: no indication

Sub-acute dermal: no indication

Sub-acute inhalative: no indication

Sub-chronic oral: no indication

Sub-chronic dermal: no indication

Sub-chronic inhalative: no indication

Chronic oral: no indication

Chronic dermal: no indication

Chronic inhalative: no indication

11.5 Toxicity by repeated absorption (sub-acute to chronic)

11.6 Carcinogenicity, mutagenicity and reproduction toxicity

Carcinogenicity: no indication

Mutagenicity: no indication

Reproduction toxicity: no indication

Summarising evaluation of the CMR-characteristics

No cancer-producing, mutagenic or preproduction damaging effects of the product are known.

The ingredients of this preparation don't fulfil the criteria for the CMR categories 1 or 2.

11.7 Practical experiences

Monitorings relevant for classification: none

Other monitorings: none

11.8 Information about ingredients

None

11.9 General remarks

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Section 12: Environmental referring references

12.1 Ecotoxicity

Acute toxicity:	Time	Species	Method	Evaluation
LC 50 > 100 mg/l	96h	fish, Leucis-cusidus	OECD 203	Harmless for fish up to the concentration tested
EC 50 > 128 mg/l	48h	Daphnia, Daphnia magna	OECD 202	Harmless for water fleas up to the concentration tested
EC 50 2,800 mg/kg	72h	alga	OECD 201	Harmless for alga up to concentration tested.
EC 50 2,400 mg/kg	72h b	acterium		

12.2 Mobility

12.3 Known or expected distribution on environmental compartments

Surface tension 20 – 30 mN/m

12.4 Persistency and degradability

Abiotic degradability

Hydrolytic instable at pH < 9,6

Half period value	Method	Evaluation	Remark
Seawater:			
Fresh water:			
Air:			
Ground:			

Physio- and photochemical elimination

Elimination type

Half period time	Method	Evaluation	Remark
Ozonolysis:			
Oxidation:			
Photo-oxidation:			
De-chlorination:			
Photo-mineralisation:			

Biodegradability

Degradation rate (%)	Time (d)	Method	Evaluation	Remark
> 80 &	3 days			
complete	15 days	OECD screening	biological easy to degrade	

12.5 Bioaccumulation

Distribution coefficient n-octyl alcohol/water (log P O/W)

Value	Concentration pH °C	Method	Evaluation	Remark
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12.5.2 Bioconcentration factor (BCF)

Value	Species	Method	Evaluation	Remark
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12.5.3 Long-term ecotoxicity

Kind of toxicity	Effective dose/value	Species	Method	Evaluation	Remark
Sub-acute	NOEC	fish			
	NOEC	Daphnia			
	NOEC	bird			
Sub-chronic		fish			
Chronic		fish			

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12.6 Result of the determination of the PBT-characteristics

In this preparation the ingredients don't meet the criteria for a classification in PBT or vPvB.

12.7 Other damaging effects

Precautious classification water hazard class (WHC) 1.

12.8 Summarising evaluation

Section 13: Hints to waste disposal

13.1 Waste disposal substance/preparation

With proper use for general cleaning purpose the product will be disposed via the sewage (canalisation). The product can be washed away together with solvent waste and water. Recommendation

13.2 Disposal code according to the List of Wastes Regulation (AVV)

20 10 30 Cleaning material except of those which belong to 20 01 29

13.3 Packing

Contaminated packing

If the contamination stems from the product, no dangerous measures according to §3 II List of Wastes Regulation result from the packing. Packing that isn't cleanable has to be disposed. Completely emptied packing can be supplied to further processing. 15 01 02 Plastics packing

Cleaned packing

Packing that isn't contaminated and completely emptied can be supplied to further processing. Contaminated packing has to be emptied completely and be used again after an appropriate cleaning.

13.4 Additional hints

Section 14: Information about transport

No dangerous goods for the purpose of the transport regulations.

Inland transport (ADR/RID/GGVSE)

No dangerous goods for the purpose of the transport regulations.

Class

Danger number

UN-number

Classification code

Name of goods

Danger trigger

Packing Packing group: Danger label: Limited quantity:

Remark

14.2 Inland shipping transport No dangerous goods for the purpose of the transport regulations.

Class

Danger number

UN-number

Classification code

Name of goods

Danger trigger

Packing

Packing group:

Danger label:

Remark

14.3 Sea shipping transport (IMDG/GGVSee)

No dangerous goods for the purpose of the transport regulations.

IMDG-Code

EmS

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UN-number

Marine pollutante

Name of the goods

Danger trigger

Packing

Packing group:

Danger label:

Remark

14.4 Air transport (ICAO-TI/IATA-DGR)

No dangerous goods for the purpose of the transport regulations.

Class

UN-number

Name of the goods

Danger trigger

Packing

Packing group:

Danger label:

Remark

Section 15: Legal regulation

15.1. Substance security judgement

For this substance no security judgement is necessary.

15.2 Classification according to EG-Directive

The product is not subject to marking according to the EG-Directive or the respective national law. The preparation isn't subject to marking according to the directive 1999/45/EG respectively to annex VI of the directive 67/548/EWG.

Code letter/s and danger sign/s of substance/preparation

Danger relevant components for labelling

CONTAINS

R-sentences Not applicable

15.2.4 S-sentences

S 25 Avoid eye contact

GHS P262

S 26 In case of eye contact deep clean with water immediately and contact a doctor.

GHS P305+P351+P338+P313 Precautions:

S 2 Keep it beyond of children.

GHS P102

S 7 Keep container closed tightly.

GHS P233

Special marking of certain preparations Not applicable

Authorisation and/or use restrictions Not applicable

15.3 EU Regulations

Information about the Limitation of ethereal organic compound's (VOC-RL) emission

Directive 1999/13/EG

Not applicable

Other EU Regulations

National regulations (Germany)

Water hazard class

Class: 1 (Self classification, precautionary)

Technical manual air (TA-Luft)

Isn't governed by TA-Luft

TA-Luft chapter:

TA-Luft class:

Hazardous Incident Ordinance (12. BImSchV)

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Isn't governed by the Hazardous Incident Ordinance
Hazardous substances according to annex 1:
Substance's name according annex 1 with no.:
Solvent Ordinance (31, BImSchV) Not applicable
Restriction of employment Unknown
Further regulations, restrictions an prohibition ordinances

Section 16: Further information

16.1 Other current EU Directives

16.2 Use restrictions recommended by the manufacturer

16.3 R-sentences referred to in paragraph 2 and 3 (wording)

16.4 Additional hints

Abbreviations:
n. a. = nicht anwendbar = not applicable
n. g. = nicht geprüft = not tested

16.5 Changes versus the last version

Adaption according to the EG enactment No. 1272/2008 (GHS-Verordnung)

16.6 Issuing division's data sheet

Product security (Phone +49 (0) 2206 938590-0) All information is based on the current knowledge.
It is no assurance of any product characteristics and doesn't constitute a contractual legal relationship.