



Pathogon Mould Away Ready To Use Stage Two Mould Treatment

Safety Data Sheet

According to 1907/2006/EC, Article 31

Version: 1.2
Revision date: 03.10.2025
Previous version date: 13.01.2023

Section 1. Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product Identifier

Product name: Pathogon Mould Away Ready To Use Stage Two Mould Treatment
Part No. PNVL-RTUMT2
UFI No. 3300-D0AU-S00F-2U8X (Relates to the Super Concentrate version)

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

Use of substance / mixture: For use as a mould treatment on hard surfaces, materials, equipment, and furniture in private, public and industrial areas. For professional and consumer use.

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
UK National Poisons Information Service. E-mail: npis.birmingham@nhs.net; Tel: +44 (0)344 892 0111

Section 2. Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008
Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The substance is classified and labelled according to the CLP regulation.

Hazard pictograms: Void
Signal word: Void

Hazard statements

H412: Harmful to aquatic life with long lasting effects.

Precautionary statements

P102: Keep out of reach of children.
P273: Avoid release to the environment.
P391: Collect spillage.
P401: Store in accordance with local/regional/national/international regulations.
P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards

Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

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SECTION 3: Composition/information on ingredients

3.1 Chemical characterisation: Substances

CAS No. Description

Additional information: A blend of surfactants and antimicrobial agents with multifunctional additives.

Dangerous components:

CAS: 1802181-67-4	PHMB (PolyHexaMethylene Biguanide)  Eye Dam. 1, H318;  Aquatic Acute 1, H400; Aquatic Chronic 1, H410;  Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Sens. 1, H317	<0.2%
CAS: 7173-51-5 EINECS: 230-525-2	didecyltrimethylammonium chloride  Skin Corr. 1B, H314;  Aquatic Acute 1, H400; Aquatic Chronic 2, H411;  Acute Tox. 4, H302	<0.1%
CAS: 68424-85-1 EINECS: 270-325-2	Alkyl(C12-16)dimethylbenzylammonium chloride  Skin Corr. 1B, H314;  Aquatic Acute 1, H400; Aquatic Chronic 1, H410;  Acute Tox. 4, H302	<0.05%

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:

Immediately remove any clothing soiled by the product.

After inhalation:

Supply fresh air; consult doctor in case of complaints.

After skin contact:

Immediately rinse with water.

After eye contact:

DO NOT DELAY!

Check for and remove any contact lenses.

Rinse opened eye for several minutes under running water.
Then consult a doctor.

After swallowing:

DO NOT DELAY!

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

Information for doctor:

Treat symptomatically and supportively.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.

5.2 Special hazards arising from the substance or mixture

No further relevant information available.

5.3 Advice for firefighters

Protective equipment:

Wear fully protective suit.

Wear self-contained respiratory protective device.

Do not inhale explosion gases or combustion gases.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation

Particular danger of slipping on leaked/spilled product.

6.2 Environmental precautions:

Do not allow to penetrate the ground/soil.

Do not allow product to reach sewage system or any water course in the undiluted form.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Send for recovery or disposal in suitable receptacles.

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6.4 Reference to other sections

See Section 7 for information on safe handling.
 See Section 8 for information on personal protection equipment.
 See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling Ensure good ventilation/exhaustion at the workplace.

Information about fire - and explosion protection: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles: Prevent any seepage into the ground.

Information about storage in one common storage facility:

Store away from oxidising agents.

Store away from foodstuffs.

Further information about storage conditions:

Protect from frost.

Protect from heat and direct sunlight.

Store in cool, dry conditions in well sealed receptacles.

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Additional information about design of technical facilities:	No further data; see item 7.
Ingredients with limit values that require monitoring at the workplace:	Not required.
Additional information:	The lists valid during the making were used as basis.

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:	Do not eat or drink while working. Wash hands before breaks and at the end of work. Do not inhale gases / fumes / aerosols. Avoid contact with the eyes. Avoid close or long term contact with the skin.
Respiratory protection:	Not necessary if room is well-ventilated. Use suitable respiratory protective device in case of insufficient ventilation.
Protection of hands:	The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
Material of gloves	The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
Penetration time of glove material	The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
Eye protection:	Goggles recommended during refilling
Body protection:	Impervious protective clothing Body protection must be chosen depending on product properties, activity and possible exposure.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form:	Fluid
Colour:	Light yellow
Odour:	Mild
Odour threshold:	Not determined.
pH-value:	6-7

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Change in condition

Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	Undetermined.
Flash point:	Not applicable.
Flammability (solid, gas):	Not applicable.
Decomposition temperature:	Not determined.
Auto-ignition temperature:	Not determined.
Explosive properties:	Product does not present an explosion hazard.

Explosion limits:

Lower:	Not determined.
Upper:	Not determined.
Vapour pressure at 20 °C:	23 hPa
Density at 20 °C:	1.02 g/cm ³
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with water:	Fully miscible.
Partition coefficient: n-octanol/water:	Not determined.

Viscosity:

Dynamic:	Not determined.
Kinematic:	Not determined.
Solvent content:	0.00 %
VOC (EC)	0.00 %

9.2 Other information

NOTE: The physical data presented above are typical values and should not be construed as a specification.

SECTION 10: Stability and reactivity

10.1 Reactivity

No further relevant information available.

10.2 Chemical stability

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions

No dangerous reactions known.

10.4 Conditions to avoid

No further relevant information available.

10.5 Incompatible materials:

Strong acids and oxidising agents

10.6 Hazardous decomposition products:

Nitrogen oxides (NO_x)
Hydrogen chloride (HCl)
Carbon monoxide and carbon dioxide

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity	Based on available data, the classification criteria are not met.
<u>Primary irritant effect:</u>	
Skin corrosion/irritation	Based on available data, the classification criteria are not met.
Serious eye damage/irritation	Based on available data, the classification criteria are not met.
Respiratory or skin sensitisation	Based on available data, the classification criteria are not met.
<u>Additional toxicological information:</u>	
Routes of entry:	The component substances can be variously absorbed into the body by inhalation and by ingestion.
<u>CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)</u>	
Germ cell mutagenicity	Based on available data, the classification criteria are not met.

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Carcinogenicity

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

Reproductive toxicity

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

STOT-single exposure

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

STOT-repeated exposure

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

Aspiration hazard

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

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

No further relevant information available.

12.2 Persistence and degradability

The organic portion of the product is biodegradable.

12.3 Bioaccumulative potential

Product is not expected to bioaccumulate.

12.4 Mobility in soil

No further relevant information available.

Ecotoxicological effects:

Remark:

Harmful to fish

Additional ecological information:

General notes:

Not hazardous for water.

Harmful to aquatic organisms

12.5 Results of PBT and vPvB assessment

PBT:

Not applicable.

vPvB:

Not applicable.

12.6 Other adverse effects

No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation

Recommended Hierarchy of Controls:

Minimise waste;

Reuse if not contaminated;

Recycle, if possible; or

Safe disposal (if all else fails).

Contact waste processors for recycling information.

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Used, degraded or contaminated product may be classified as hazardous waste. Anyone classifying hazardous waste and determining its fate must be qualified in accordance with state and international legislation.

European waste catalogue

Waste key numbers in accordance with the European Waste Catalogue (EWC) are origin-referred defined.

Since this product is used in several industries, no waste key can be provided by the supplier. The waste key number should be determined in arrangement with your waste disposal partner or the responsible authority.

Uncleaned packaging:

Recommendation:

Container remains hazardous when empty. Continue to observe all precautions.

Containers, even those that are "empty," may contain residues that can develop hazardous gases and vapours upon heating. Do not cut, drill, grind, weld, or perform similar operations on or near empty containers.

Recommended cleansing agents: Water, if necessary together with cleansing agents.

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SECTION 14: Transport information

14.1 UN-Number

ADR, IMDG, IATA

Void

14.2 UN proper shipping name

ADR, IMDG, IATA

Void

14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA

Class

Void

14.4 Packing group

ADR, IMDG, IATA

Void

14.5 Environmental hazards:

Not applicable.

14.6 Special precautions for user

Not applicable.

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

Not applicable.

Transport/Additional information:

Not dangerous according to the above specifications.

UN "Model Regulation":

Void

SECTION 15: Regulatory information

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

Directive 2012/18/EU

Named dangerous substances - ANNEX I

Substance is not listed.

REGULATION (EC) No 1907/2006 ANNEX XVII

Conditions of restriction: 3

Regulation (EU) No 649/2012

7173-51-5	didecyldimethylammonium chloride	Annex I Part 1
DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II		
None of the ingredients is listed.		

15.2 Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Reasons for alterations

Relevant phrases

H302

Harmful if swallowed.

H314

Causes severe skin burns and eye damage.

H317

May cause an allergic skin reaction.

H318

Causes serious eye damage.

H332

Harmful if inhaled.

H400

Very toxic to aquatic life.

H410

Very toxic to aquatic life with long lasting effects.

H411

Toxic to aquatic life with long lasting effects.

Abbreviations and acronyms:

ADR:

Accord européen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG:

International Maritime Code for Dangerous Goods

IATA:

International Air Transport Association

GHS:

Globally Harmonised System of Classification and Labelling of Chemicals

EINECS:

European Inventory of Existing Commercial Chemical Substances

ELINCS:

European List of Notified Chemical Substances

CAS:

Chemical Abstracts Service (division of the American Chemical Society)

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SECTION 16: Other information cont.

VOC:	Volatile Organic Compounds (USA, EU)
PBT:	Persistent, Bioaccumulative and Toxic
vPvB:	very Persistent and very Bioaccumulative
Acute Tox. 4:	Acute toxicity - oral – Category 4
Skin Corr. 1B:	Skin corrosion/irritation – Category 1B
Eye Dam. 1:	Serious eye damage/eye irritation – Category 1
Skin Sens. 1:	Skin sensitisation – Category 1
Aquatic Acute 1:	Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 1:	Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
Aquatic Chronic 2:	Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
Aquatic Chronic 3:	Hazardous to the aquatic environment - long-term aquatic hazard – Category 3