



# Baunit FungoStop

## Safety Data Sheet

As per the (EU) 1907/2006 (REACH) Directive

Revised: 15/05/2015

<b>1.0</b>	<b>Identification of the material or the mixture and the company</b>	
<b>1.1</b>	<b>Product identifier:</b>	Baunit FungoStop
<b>1.2</b>	<b>Relevant identified applications of the material or mixture and applications which are not recommended</b>	
	<b>Use of the material/mixture:</b>	Cleaning fluid for pre-treatment of fungal and/or algae infested facade surfaces made of mineral plasters, putty or organic bound surface plasters and paints outside, to prevent the transport of germinable spores as well as in areas as indicated in the technical leaflet.  Any other use is not advised.
<b>1.3</b>	<b>Details on the supplier which provides the safety data sheet</b>	
	<b>Manufacturer:</b>	Baunit GmbH Reckenberg 12 D-87541 Bad Hindelang  Tel. + 49 8324 921 1025 Fax + 49 8324 921 1029  email (expert person): sdb@baunit.de
<b>1.4</b>	<b>Emergency telephone number:</b>	Poison Information Centre at the First University Hospital, Währinger Gürtel 18-20, 1090 Vienna: + 43/1/406 43 43

<b>2.0</b>	<b>Possible hazards</b>	
<b>2.1</b>	<b>Classification of the material/mixture:</b>	
	<b>Classified as per (EU) Directive no. 1272/2008:</b>	Severe skin irritation, hazard category 2 (Skin Irrit. 2) Severe skin irritation, hazard category 2 (Skin Irrit. 2)  H 315 Causes skin irritation. H 319 Causes severe eye damage.
	<b>Classification as per 1999/45/EU Directive :</b>	None.

<b>2.2</b>	<b>Identification elements</b>	
<b>2.2.1</b>	<b>As per (EU) Directive no. 1272/2008</b>	
	<b>Hazard pictogram:</b>	 GHS07
	<b>Signal word:</b>	

Baunit Ltd

Unit 2, Westmead, New Hythe Lane, Aylesford, Kent, ME20 6XJ

[sales@baunit.co.uk](mailto:sales@baunit.co.uk) [www.baunit.com](http://www.baunit.com)

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<b>Hazard instructions:</b>	
<b>H 315</b>	Causes skin irritation.
<b>H 319</b>	Causes severe eye damage.
<b>Safety Instructions:</b>	
<b>P 101</b> <b>P 102</b> <b>P 103</b> <b>P 264</b> <b>P 280</b> <b>P 305+P 351+P 338</b> <b>P 337+P 313</b> <b>P 302+P 352</b> <b>P 332+P 313</b> <b>P 362+P 364</b> <b>P 501</b>	If a physician's advice is sought, bring the packaging or label May not be within the reach of children. Read the label before use. Thoroughly wash the face and hands after use. Wear protective gloves/protective clothing/eye protection/face protection. For eye contact: Rinse carefully with water for a few minutes. Remove existing contact lenses if possible. Rinse further. If there is persistent eye irritation: Consult with a physician. IF IN CONTACT WITH THE SKIN: Wash with lots of water and soap If the skin is irritated: Consult with a physician. Pull off contaminated clothing and wash before wearing again. Dispose of contents/container as per national/international rules for waste recycling.
<b>Other Instructions:</b>	Can be retained for at least 6 months from manufacturing date with proper, dry storage, low chromate.

<b>3.0</b>	<b>Compound/Information about components</b>						
<b>3.1</b>	<b>Materials</b>						
	Not applicable, as this product is a mixture (see Section 3.2)						
<b>3.2</b>	<b>Mixture</b>						
	Mix made of the following materials with non-hazardous admixtures						
	Table of hazardous contents:						
	<b>Description</b>	<b>EU no.</b>	<b>CAS no.</b>	<b>Contents [M.-%]</b>	<b>Classification as per 67/548/EEC Directive</b>		<b>Classified as per (EU) Directive no. 1272/2008</b>
	Benzalkonium Chloride	270-325-2	68424-85-1	1- <2,5	Irritating C, health damage Xn Environmentally Hazardous N	R34 R22 R50	Skin Corr.1B Acute Tox. 4 Aquatic Acute 1 H314 H302 H400
	Polymer containing fatty alcohol akoxylate	listed	deleted	1- <2,5	Irritating Xi Environmentally Hazardous N	R38 R50	Skin Irrit. 2 Aquatic Acute 1 H315 H400
	<b>Directive (EU) no. 648/2004 for detergents / ID of the contents</b>						
	Description						Contents
	Cationic surfactant, non-ionic surfactant						<5
	The complete text of the H and R sentences can be found in Section 16.						

<b>4.0</b>	<b>First aid measures</b>	
<b>4.1</b>	<b>Description of first aid measures</b>	
	<b>General instructions:</b>	If symptoms persist, or in cases of doubt, seek medical advice. Do not administrate orally if unconscious. Help quickly.
	<b>Inhaling:</b>	Provide fresh air, consult a physician if there are symptoms.
	<b>Skin contact:</b>	Immediately remove dirty and soaked clothing. Wash with water if it comes into contact with the skin. Consult a doctor if there are symptoms.
	<b>Eye contact:</b>	If it has touched the eyes, thoroughly rinse the eyes with a lot of water (or saline solution for eyes, eye wash) for about 10 minutes. Consult an ophthalmologist.
	<b>Swallowing:</b>	Consult a doctor immediately. Keep the victim quiet. Do not induce vomiting.
	<b>Instructions for the doctor:</b>	No known long-term effects.

<b>5.0</b>	<b>Firefighting measures</b>		
<b>5.1</b>	<b>Suitable extinguishing media:</b>	Water fog, foam (alcohol-resistant), carbon dioxide, powder Extinguishing material and firefighting must be adapted to the environment of the fire.	
<b>5.2</b>	<b>Unsuitable extinguishing material for safety:</b>	Full water spray.	
<b>5.3</b>	<b>Degradation products:</b>	None known.	
<b>5.4</b>	<b>Special extinguishing instructions:</b>	If necessary, breathing apparatus may be required. Cool closed containers near the fire in water. Do not drain the remains into the sewers. Aqueous, liquid product is not flammable as long as the water fraction is present.	

<b>6.0</b>	<b>Measures for unintended release</b>		
<b>6.1</b>	<b>Personal precautionary measures:</b>	Avoid touching the eyes and skin, individual protective means (see point 8.3).	
<b>6.2</b>	<b>Environmental protection measures:</b>	Dilute with lots of water. Do not drain into the sewers, surface water or groundwater. If rivers, lakes or sewage lines are contaminated, inform the responsible authorities as per local regulations.	
<b>6.3</b>	<b>Cleaning procedure:</b>	Take up with liquid-binding material, such as sand, diatomaceous earth, acid binder, universal binder or sawdust, then dispose in accordance with regulations (as per point 13). Use no organic solvents, if possible.	

<b>7.0</b>	<b>Handling and storage</b>		
<b>7.1</b>	<b>Protective measures for safe handling:</b>	Use only in places where open light, fire and other ignition sources are not present. Avoid contact with the eyes and skin. Keep the containers sealed. Do not empty the containers with pressure (no pressure containers). Carefully close the containers in order to avoid leaks.	
<b>7.2</b>	<b>Storage:</b>	Only store in original containers. Protect against frost, heat and direct sun radiation. Observe the manufacturer's instructions on the label.	

<b>8.0</b>	<b>Limitation and monitoring exposure / personal protective equipment</b>			
<b>8.1</b>	<b>Exposure limit values: (Source: TRGS 900)</b>	<b>CAS no.</b> Deleted	<b>Material designation:</b> Deleted	<b>AGW</b> Not applicable
<b>8.2</b>	<b>Limitation and monitoring exposure:</b>			
	<b>Additional instructions to structure technical equipment:</b>	Not applicable		
<b>8.3</b>	<b>General protective and hygiene measures:</b>	Observe professional society rules (Leaflet ZH 1/134 Main Association of Commercial BG)		
	<b>Respiratory protection:</b>	None. Avoid inhaling spray fog.		
	<b>Hand protection:</b>	Glove material: nitrile rubber Recommended material thickness: 0.35Mm. The selection of a suitable glove depends not only on the material, but also further quality characteristics, and differs from one manufacturer to another. Since the product is a combination of several materials, the resistance of the glove material cannot be calculated in advance, and therefore must be checked before use. The		

		exact break-through time must be learned from the protective glove manufacturer, and must be adhered to.
	<b>Eye protection:</b>	Wear enclosed goggles if there is a danger of spraying (provide eye washers).
	<b>Skin protection:</b>	Skin protective cream.
	<b>Body protection:</b>	Work clothing.
<b>8.4</b>	<b>Limitation and monitoring environmental exposure:</b>	
		No information.

## 9.0 Physical and chemical properties

### 9.1 General Information:

a)	<b>Appearance:</b>	Liquid
	<b>Colour:</b>	Colourless
b)	<b>Odour:</b>	Characteristic
c)	<b>Odour threshold:</b>	Not specified
d)	<b>pH value (20 °C):</b>	7
e)	<b>Melting /freezing point:</b>	0°C
f)	<b>Boiling point, boiling range:</b>	100°C
g)	<b>Flashpoint:</b>	>100°C
h)	<b>Vapour speed:</b>	Not specified
i)	<b>Flammability:</b>	Not applicable
j)	<b>Upper/lower flammability or explosion limits:</b>	Not determined
k)	<b>Vapour pressure at 20°C:</b>	23 hPa
l)	<b>Vapour density:</b>	Not specified
m)	<b>Relative density:</b>	Not specified
n)	<b>Density at 20°C:</b>	1 kg/dm <sup>3</sup>
o)	<b>Solubility in water:</b>	Fully miscible with water
p)	<b>Distribution coefficient n-octanol/water:</b>	Not specified
q)	<b>Self-ignition temperature:</b>	Not specified
r)	<b>Decomposition temperature</b>	Not applicable.
s)	<b>Viscosity</b>	Not applicable
t)	<b>Explosive properties:</b>	Non-explosive
u)	<b>Oxidising properties</b>	Non-oxidising
v)	<b>Extinguishing material contents:</b>	0.0% organic solvent
<b>9.2</b>	<b>Other information:</b>	None

## 10.0 Stability and reactivity

<b>10.1</b>	<b>Reactivity:</b>	Unknown.
<b>10.2</b>	<b>Chemical stability:</b>	The product is stable (assuming proper and dry storage).
<b>10.3</b>	<b>Possible hazardous reactions:</b>	No hazardous reactions known (see also Section 10.5).
<b>10.4</b>	<b>Conditions to avoid:</b>	No further relevant information available.
<b>10.5</b>	<b>Incompatible materials:</b>	No further relevant information available.
<b>10.6</b>	<b>Hazardous decomposition products:</b>	No hazardous decomposition products are known for this mixture.

## 11.0 Toxicological information

Baumit Ltd

Unit 2, Westmead, New Hythe Lane, Aylesford, Kent, ME20 6XJ

[sales@baumit.co.uk](mailto:sales@baumit.co.uk) [www.baumit.com](http://www.baumit.com)

11.1	<b>Remarks:</b>	The product as such has not been tested. The mixture is classified using conventional methods (calculation procedure as per the 1999/45/EU Directive) and in accordance with components hazardous to health.
	<b>Irritating effect:</b>	Skin and eye irritation effects.
11.2	<b>Acute toxicity:</b>	Benzalkonium chloride, CAS: 68424-85-1  Oral: LD50 344 mg/kg (rat) Dermal: LD50 3340 mg/kg (rabbit)
	<b>Inhaling:</b>	No information.
	<b>Swallowing:</b>	Large volumes can cause irritation to the gastrointestinal tract.
	<b>Skin contact:</b>	Irritating effect.
	<b>Eye contact:</b>	Irritating effect.
11.3	<b>Other information:</b>	No known sensitisation effect

<b>12.0 Environmental information</b>		
12.1	<b>Toxicity</b>	
	<b>Aquatic:</b>	Benzalkonium chloride, CAS: 68424-85-1 EC 50: 0.016 mg/kg (daphnia)
12.2	<b>Persistence and degradability:</b>	The washing active substances contained in the product adhere to the law related to environmental tolerability of washing and cleaning materials, and are biologically degradable.
12.3	<b>Bioaccumulation potential:</b>	Organisms do not multiply in it.
12.4	<b>Soil mobility:</b>	No further relevant information available.
12.5	<b>Results of the PBT and vPvP assessment:</b>	Not applicable.
12.6	<b>Other hazardous effects:</b>	Do not pour into the water or sewers. Drinking water hazard even with letting drain in small amounts into the soil. The washing active substances contained in the product adhere to the law related to environmental tolerability of washing and cleaning materials, and are biologically degradable.

<b>13.0 Instructions on disposal:</b>		
13.1	<b>Waste treatment procedures:</b>	May not be disposed together with house rubbish. Do not drain the remains into the sewers. Dispose of remnants in accordance with local and official instructions (in accordance with point 13.2).
	<b>Waste code as per the AVV:</b>	The listed waste numbers are only examples. The actual waste number depends upon the origin and composition of the waste. Assigning a waste key must be done in concert with the responsible authorities in accordance with national and regional provisions, for example, 07 0o6 00 Waste from HZVA from fats, greases, soaps, washing materials, disinfectants and body care materials 07 06 99 waste a. n. g.

## 14.0 Transport instructions

**No hazardous goods as per the regulations for the transport of dangerous goods ADR/RID, ADN, IMDG Code, ICAO-TI, IATA-DGR.**

14.1	UN number:	Not applicable.
14.2	Proper UN shipping name:	Not applicable.
14.3	Transport hazard class:	Not applicable.
14.4	Packaging group:	Not applicable.
14.5	Environmental hazards:	Not applicable.
14.6	Special precautionary measures for the user:	Not applicable.
14.7	Bulk goods transport as per Appendix II of MARPOL Treaty 73/78 and as per the IBC code:	Not applicable.

**15.0 Information on legislation:**

**15.1 Regulations for safety, health and environmental protection/specific legislation for the mixture:**

Relevant regulations, rules and laws:	Regulation for protection from hazardous materials (GrfStoffV) Prohibited chemicals regulation (ChemVerbotsV) Regulation for the European Waste Index (AVV) Federal Soil Protection Law (BBodSchG) Federal Soil Protection and Contamination Regulation (BBodSchV), Technical Directions for Keeping the Air Clean (TA Luft)	
Water hazard class (WGK):	WGK 1 (slight water hazard), calcium dihydroxide, ID no. 320 as per VwVwS	
Other regulations, limitations and prohibitions:	Observe § 22 JArbSchG. Observe possible employee limitations as per the mother protection guidelines.	
Relevant TRGS:	TRGS 200 (classification and identification of materials, preparations and products) TRGS 500 (protective measures) TRGS 559 (mineral dust) TRGS 510 (Storing hazardous material in containers which can be moved) TRGS 900 (workplace limit values)	
Relevant professional association rules (BGR) for Statutory Accident Insurance (GUV):	BGR/GUV R 190 (use of respiratory protection devices) BGR 192 (use of eye and face protection) BGR 189 (use of protective clothing) BGR 195 (use of protective gloves)	
GISCODE:	GD30 Disinfectant cleaner, based on quaternary ammonium compounds, irritating.	
VCI storage class:	Storage class 12 (non-flammable solids) as per TRGS 510	
15.2	Material safety assessment:	No material safety assessment has been performed.

**16.0 Other information**

**16.1 Changes as compared to the previous version of the safety data sheet**

Complete new version as per GHS-VO	
<b>16.2</b>	<b>Abbreviations and acronyms</b>
<b>ACGIH</b>	American Conference of Industrial Hygienists
<b>ADN</b>	Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
<b>ADR/RID</b>	European Agreements on the transport of Dangerous goods by Road/Railway
<b>AGW</b>	Workplace limit value
<b>AVV</b>	Regulation for the European Waste Index (AVV)
<b>CAS</b>	Chemical Abstracts Service
<b>DFG</b>	German Research Association
<b>DIN</b>	Deutsches Institut für Normung e.V.
<b>EC10</b>	Half maximal effective concentration
<b>EC50</b>	Half maximal effective concentration
<b>EN</b>	European standard
<b>GHS</b>	Globally Harmonized System of Classification, Labelling and Packaging of Chemicals
<b>IBC Code</b>	International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
<b>IATA-DGR</b>	International Air Transport Association-Dangerous Goods Regulations
<b>ICAO-TI</b>	International Civil Aviation Organisation - Technical instructions for the safe transport of dangerous goods by air.
<b>IFA</b>	Institute for Worker Protection of German Statutory Accident Insurance
<b>IMDG Code</b>	International agreement on the Maritime transport of Dangerous Goods
<b>LC10</b>	Lethal concentration at 10% mortality rate
<b>LC50</b>	Median lethal concentration
<b>LD10</b>	Lethal dose at 10% mortality rate
<b>LD50</b>	Mean lethal dose
<b>MARPOL</b>	Marine pollution (International Convention for the Prevention of Pollution from Ships)
<b>MEASE</b>	Metals estimation and assessment of substance exposure
<b>NaCl</b>	Sodium chloride
<b>NOEC</b>	No observed effect concentration Highest tested concentration without observed damaging effects,
<b>OECD</b>	Organisation for Economic Cooperation and Development
<b>OSHA</b>	Occupational Safety & Health Administration
<b>PBT</b>	Persistent, bio-accumulative and toxic
<b>REACH</b>	Registration, Evaluation and Authorisation of Chemicals (Directive (EU) 1907/2006)
<b>STOT</b>	Specific target organ toxicity
<b>TRGS</b>	Technische Regeln für Gefahrstoffe [Technical Rules for Hazardous Materials]
<b>U.S.EPA</b>	Chemical Industry Association e.V.
<b>VCI</b>	Verband der chemischen Industrie e.V. [German Chemical Association]
<b>vPvB</b>	Very persistent, very bioaccumulative
<b>VwVwS</b>	Verwaltungsvorschrift wassergefährdende Stoffe [Administrative Guidelines for Material Hazards to Water]

<b>17.0</b>	<b>Literature information and data sources</b>
	(1) TRGS 900, Technical rules for hazardous materials, “Workplace Limit Values,” 2006
<b>18.0</b>	<b>Methods as per Article 9 of the Directive (EU) 1272/2008 to assess information for purposes of classification</b>
	The assessment follows Article 6, para. 5 and Appendix I of the Directive (EU) no. 1272/2008

<b>19.0</b>	<b>Texts of the R sentences, hazard instructions, safety advice and safety instructions, description of special hazards (R sentences)</b>	
	<b>R 22</b>	Hazardous to health when swallowed, causes burns.
	<b>R 34</b>	Irritates the skin.
	<b>R 38</b>	Very poisonous to water organisms.
<b>19.0</b>	<b>Safety advice (S sentences)</b>	
	Not applicable	
<b>20.0</b>	<b>Safety instructions (P instructions)</b>	
	<b>P 101</b>	If a physician's advice is sought, bring the packaging or label.
	<b>P 102</b>	May not be within the reach of children.
	<b>P 103</b>	Read the label before use.
	<b>P 264</b>	Thoroughly wash the face and hands after use.
	<b>P 280</b>	Wear protective gloves/protective
	<b>P 305 + P 351 + P 338</b>	For eye contact: Rinse carefully with water for a few minutes. Remove existing contact lenses if possible. Rinse further.
	<b>P 337 + P 313 + P 302 + P 352 P 332 + P 313 + P 362 + P 364</b>	If there is persistent eye irritation: Consult with a physician. IF IN CONTACT WITH THE SKIN: Wash with lots of water and soap If the skin is irritated: Consult with a physician. Pull off contaminated clothing and wash before wearing again.
	<b>P 501</b>	Dispose of contents/container as per national/international rules for waste recycling.
<b>22.0</b>	<b>Hazard instructions (H instructions)</b>	
	<b>H 302</b>	Harmful if swallowed.
	<b>H 314</b>	Causes severe irritation to the skin and severe eye damage.
	<b>H 315</b>	Causes skin irritation.
	<b>H 319</b>	Causes severe eye damage
	<b>H 400</b>	Very poisonous to water organisms.

### Training instructions

Additional training beyond the prescribed instruction in working with hazardous materials is not required.

### Exclusion clause

The information in this safety data sheet describes the safety requirements for our product, and relies on the current status of our knowledge. It provides no assurance of product characteristics. See also the technical leaflet or the product data sheet for more information.

The users of our products are responsible on their own to observe existing laws, regulations and rules, even those not named in this data sheet.

### Department publishing the data sheet:

Department: Quality Assurance

Our recommendations for applications which we give to support the purchasers/handlers from our experience, corresponds to current science and practice. The advice is non-binding, and forms no contractual, legal relationship and no additional obligations in the purchase contract. The advice does not release the purchaser from examining our products for their suitability for their foreseen uses. The general rules of construction equipment must be adhered to. We reserve the right to make changes which serve to provide technical progress and improve the product or its use. When such technical information appears, earlier information is no longer valid.

You can find the most current information on our Internet pages. Only our current sales and supply conditions as well as provisions for the placement and use of our silos and mixing facilities apply for all business cases.

Baumit Ltd

Unit 2, Westmead, New Hythe Lane, Aylesford, Kent, ME20 6XJ

[sales@baumit.co.uk](mailto:sales@baumit.co.uk) [www.baumit.com](http://www.baumit.com)



baumit.com