


Granosan

Material Safety Datasheet

Page 1 of 11

AS PER REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL

Section 1 - Identification of the substance/mixture and of the company/undertaking	
1.1 Product identifier	
Product name	Granosan
1.2 Relevant identified uses of the substance or mixture and uses advised against	
Description	Bactericidal hard surface cleaner
1.3 Details of the supplier of the safety data sheet	
Company	Granwax Products Limited
Address	West Street Riddings Alfreton Derbyshire DE55 4EW
Web	www.granwax.com
Email	info@granwax.com
Email address of the competent person	info@granwax.com
1.4 Emergency telephone number	
Emergency telephone number	+ 44 (0)1773 541177 - 9.00 am - 5.00 pm Monday to Friday
Section 2 - Hazards identification	
2.1 Classification of the substance or mixture	
2.1.1 Classification - 1999/45/EC	Xi; R36 Symbols: Xi: Irritant.
Main hazards	Irritating to eyes.
2.1.2. Classification - EC 1272/2008	Skin Irrit. 2: H315; Eye Dam. 1: H318;
2.2 Label elements	
Hazard pictograms	
Signal word	Danger

Granosan

Material Safety Datasheet

Page 2 of 11

Hazard statement	Skin Irrit. 2: H315 - Causes skin irritation. Eye Dam. 1: H318 - Causes serious eye damage.
Precautionary Statement: Prevention	P264 - Wash with clean water thoroughly after handling. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	P302+P352 - IF ON SKIN: Wash with plenty of water/ . P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 -If swallowed Immediately call a POISON CENTER/doctor/or if you feel unwell. P321 - Specific treatment (see on this label). P332+P313 - If skin irritation occurs: Get medical advice/attention.
2.3 Other hazards	
Other hazards	No data is available on this product.

Granosan

Material Safety Datasheet

Page 3 of 11

Section 3 - Composition/information on ingredients

3.2. Mixtures

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Amides, c8-c18 (even numbered) and c18-unsatd.		931-329-6			0.5 - 1%	Xi; R38-41 N; R51/53	
Quaternary ammonium compounds, benzyl-c8-18-alkydimethyl		68424-85-1	270-325-2		1 - 10%	C; R34 Xn; R21/22 N; R50	
tetrasodium ethylene diamine tetraacetate	607-428-00-2	64-02-8	200-573-9		1 - 10%	Xn; R22 Xi; R41	
C13-15 Alcohol ethoxylate 11eo		68131-39-5			1 - 10%	Xn; R22 Xi; R41	
C13-15 Alcohol ethoxylate 7eo		68131-39-5			1 - 10%	Xn; R22 Xi; R41 N; R50	
Sodium hydroxide	011-002-00-6	1310-73-2	215-185-5		0 - 0.5%	C; R35	

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Quaternary ammonium compounds, benzyl-c8-18-alkydimethyl		68424-85-1	270-325-2		1 - 10%	Acute Tox. 4: H302+H312; Skin Corr. 1B: H314; Eye Irr. 1: H318; Aquatic Acute 1: H400;	
tetrasodium ethylene diamine tetraacetate	607-428-00-2	64-02-8	200-573-9		1 - 10%	Acute Tox. 4: H302; Eye Dam. 1: H318;	
C13-15 Alcohol ethoxylate 11eo		68131-39-5			1 - 10%	Acute Tox. 4: H302; Eye Dam. 1: H318;	
C13-15 Alcohol ethoxylate 7eo		68131-39-5			1 - 10%	Acute Tox. 4: H302; Eye Dam. 1: H318; Aquatic Acute 1: H400;	

Granosan

Material Safety Datasheet

Page 4 of 11

Section 4 - First aid measures

4.1 Description of first aid measures

Inhalation	Move the exposed person to fresh air.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open.
Skin contact	Wash off immediately with plenty of soap and water. Remove contaminated clothing.
Ingestion	DO NOT INDUCE VOMITING.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation	Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system.
Eye contact	May cause irritation to eyes.
Skin contact	May cause irritation to skin.
Ingestion	Ingestion may cause nausea and vomiting.

4.3 Indication of any immediate medical attention and special treatment needed

Inhalation	If you feel unwell, seek medical advice (show the label where possible).
Eye contact	Seek medical attention.
Skin contact	Seek medical attention if irritation or symptoms persist.
Ingestion	If you feel unwell, seek medical advice (show label where possible).

Section 5 - Firefighting measures

5.1 Extinguishing media

	Use extinguishing media appropriate to the surrounding fire conditions.
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5.2 Special hazards arising from the substance or mixture

	Burning produces irritating, toxic and noxious fumes.
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5.3. Advice for firefighters

	Wear self-contained breathing apparatus and protective clothing.
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Section 6 - Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

	Ensure adequate ventilation of the working area. Avoid contact with skin and eyes.
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6.2 Environmental precautions

	Do not allow product to enter drains. Prevent further spillage if safe.
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Granosan

Material Safety Datasheet

Page 5 of 11

6.3 Methods and material for containment and cleaning up

Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

6.4 Reference to other sections

See section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION for further information.
See section 13. DISPOSAL CONSIDERATIONS for further information.

Section 7 - Handling and storage

7.1 Precautions for safe handling

Avoid contact with eyes and skin. Adopt best Manual Handling considerations when handling, carrying and dispensing.

7.2 Conditions for safe storage, including any incompatibilities

Keep containers tightly closed. Keep in a cool, dry, well ventilated area. Store in correctly labelled containers.

7.3 Specific end use(s)

See section 1.2. Relevant identified uses of the substance or mixture and uses advised against for further information.

Granosan

Material Safety Datasheet

Page 6 of 11

Section 8 - Exposure controls/personal protection

8.1 Control parameters

Occupational exposure controls.

8.1.1 Exposure Limit Values

Sodium hydroxide	WEL 8-hr limit ppm:	-	WEL 8-hr limit mg/m ³ :	
	WEL 15 min limit ppm:	-	WEL 15 min limit mg/m ³ :	2
	WEL 8-hr limit mg/m ³		WEL 15 min limit mg/m ³	
	total inhalable dust:	-	total inhalable dust:	-
	WEL 8-hr limit mg/m ³		WEL 15 min limit mg/m ³	
	total respirable dust:	-	total respirable dust:	-

Sodium hydroxide Long-term - inhalation - Local effects 1 mg/m³

8.2 Exposure controls

8.2.1 Appropriate engineering controls Not normally required.

8.2.2 Individual protection measures Wear suitable gloves and eye/face protection.

Eye / face protection Approved safety goggles.

Skin protection - Handprotection Chemical resistant gloves (PVC).

Respiratory protection Not normally required.

Occupational exposure controls Keep away from food, drink and animal feedingstuffs.

Granosan

Material Safety Datasheet

Page 7 of 11

Section 9 - Physical and chemical properties

9.1 Information on basic physical and chemical properties (continued)

Appearance	Liquid
Colour	Clear
Odour	Mild
Odour threshold	No data available
pH	≈ 7.5
Melting point	No data available
Freezing point	No data available
Initial boiling point	100°C
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	Not applicable
Vapour pressure	No data available
Vapour density	No data available
Relative density	≈ 1.065 (H ₂ O = 1 @ 20°C)
Fat Solubility	No data available
Partition coefficient	No data available
Autoignition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available
Solubility	Soluble in water

9.2 Other information

Conductivity	No data is available
Surface tension	No data is available
Gas group	No data is available
Benzene Content	No data is available
Lead content	No data is available
VOC (Volatile organic compounds)	No data is available

Granosan

Material Safety Datasheet

Page 8 of 11

Section 10 - Stability and reactivity

10.1 Reactivity

Stable under normal conditions.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No data is available on this product.

10.4 Conditions to avoid

No data is available on this product.

10.5 Incompatible materials

No data is available on this product.

10.6 Hazardous decomposition products

No data is available on this product.

Section 11 - Toxicological information

11.1 Information on toxicological effects

Skin corrosion/irritation May cause irritation to skin.

Serious eye damage/irritation May cause irritation to eyes.

11.1.4 Toxicological Information

No data available

Section 12 - Ecological information

12.1 Toxicity

Sodium hydroxide Fish LC50/96h: 125.0000 mg/l

12.2 Persistence and degradability

No data is available on this product.

12.3 Bioaccumulative potential

Bioconcentration factor (BCF) No data is available on this product.

12.4 Mobility in soil

No data is available on this product.

12.5 Results of PBT and vPvB assessment

No data is available on this product.

12.6 Other adverse effects

No data is available on this product.

Granosan

Material Safety Datasheet

Page 9 of 11

Section 13 - Disposal considerations

13.1 Waste treatment methods

	Dispose of in compliance with all local and national regulations.
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Section 14 - Transport information

14.1 UN number

	The product is not classified as dangerous for carriage.
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14.2 UN proper shipping name

	The product is not classified as dangerous for carriage.
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14.3. Transport hazard class(es)

	The product is not classified as dangerous for carriage.
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14.4 Packing group

	The product is not classified as dangerous for carriage.
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14.5 Environmental hazards

	The product is not classified as dangerous for carriage.
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14.6 Special precautions for user

	The product is not classified as dangerous for carriage.
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14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

	The product is not classified as dangerous for carriage.
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Granosan

Material Safety Datasheet

Page 10 of 11

IATA	
Packing Instruction (Cargo)	856
Maximum quantity	60 L
Packing Instruction (Passenger)	852
Maximum quantity	5 L

Section 15 - Regulatory information

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

Regulations	<p>REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.</p> <p>COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.</p>
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Granosan

Material Safety Datasheet

Page 11 of 11

Section 16 - Other information

Other information

Revision	This document differs from the previous version in the following areas: None
Text of risk phrases in Section 3	R21/22 - Harmful in contact with skin and if swallowed. R22 - Harmful if swallowed. R34 - Causes burns. R35 - Causes severe burns. R38 - Irritating to skin. R41 - Risk of serious damage to eyes. R50 - Very toxic to aquatic organisms. R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Text of Hazard Statements in Section 3	Acute Tox. 4: H302+H312 - Harmful if swallowed or in contact with skin Skin Corr. 1B: H314 - Causes severe skin burns and eye damage. Eye Dam. 1: H318 - Causes serious eye damage. Aquatic Acute 1: H400 - Very toxic to aquatic life. Acute Tox. 4: H302 - Harmful if swallowed.
Further information	The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.