



**GRANWAX**  
Products Limited  
**SAFETY DATA SHEET**  
according to 1907/2006/EC, Article 31

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## Granseal

Revision 2  
Revision date 2015-10-08

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name	Granseal
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#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Description	High performance floor coating.
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#### 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
Telephone	+ 44 (0)1773 541177
Fax	+ 44 (0)1773 541429
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 Mon - Fri
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### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

2.1.1. Classification - 1999/45/EC	Xn; R48/20-65 N; R51/53 R10-66-67
Main hazards	Symbols: Xn: Harmful. N: Dangerous for the environment. Flammable. Harmful: danger of serious damage to health by prolonged exposure through inhalation. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Harmful: may cause lung damage if swallowed. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.
2.1.2. Classification - EC 1272/2008	Flam. Liq. 3: H226; Asp. Tox. 1: H304; STOT SE 3: H335; STOT RE 1: H372; Aquatic Chronic 2: H411;

#### 2.2. Label elements

Hazard pictograms	
Signal Word	Danger
Hazard Statement	Flam. Liq. 3: H226 - Flammable liquid and vapour. Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.

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## 2.2. Label elements

<b>Precautionary Statement: Prevention</b>	<p>STOT SE 3: H335 - May cause respiratory irritation.            STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure .            Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.</p> <p>P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.            P233 - Keep container tightly closed.            P240 - Ground/bond container and receiving equipment.            P241 - Use explosion-proof electrical/ventilating/lighting// equipment.            P242 - Use only non-sparking tools.            P243 - Take precautionary measures against static discharge.            P260 - Do not breathe dust/fume/gas/mist/vapours/spray.            P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.            P264 - Wash with clean water thoroughly after handling.            P270 - Do no eat, drink or smoke when using this product.            P271 - Use only outdoors or in a well-ventilated area.            P273 - Avoid release to the environment.            P280 - Wear protective gloves/protective clothing/eye protection/face protection.</p>
<b>Precautionary Statement: Response</b>	<p>P301+P310 - IF SWALLOWED: IF SWALLOWED: Immediately call a POISON CENTER/doctor/ .            P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.            P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.            P312 - Call a POISON CENTER/doctor/ /if you feel unwell.            P314 - Get medical advice/attention if you feel unwell.            P331 - Do NOT induce vomiting.            P370+P378 - In case of fire: Use to extinguish.            P391 - Collect spillage.</p>
<b>Precautionary Statement: Storage</b>	<p>P403+P233 - Store in a well-ventilated place. Keep container tightly closed.            P403+P235 - Store in a well-ventilated place. Keep cool.            P405 - Store locked up.</p>
<b>Precautionary Statement: Disposal</b>	<p>P501 - Dispose of contents/container to requirements of local Authority</p>

## 2.3. Other hazards

<b>Other hazards</b>	No data is available on this product.
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## 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.
White spirit		64742-88-7	919-446-0		50 - 60%	Xn; R48/20-65 N; R51/53 R10-66-67	
2-(2-Butoxyethoxy)ethanol (2-(2-Butoxyethoxy) ethanol)	603-096-00-8	112-34-5	203-961-6		0 - 0.5%	Xi; R36	

## EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
White spirit		64742-88-7	919-446-0		50 - 60%	EUH066; Flam. Liq. 3: H226; Asp. Tox. 1: H304; STOT SE 3: H335; STOT RE 1: H372; Aquatic Chronic 2: H411;	

## SECTION 4: First aid measures

## 4.1. Description of first aid measures

<b>Inhalation</b>	Move the exposed person to fresh air.
<b>Eye contact</b>	Rinse immediately with plenty of water for 15 minutes holding the eyelids open.

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## 4.1. Description of first aid measures

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 the 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 obnoxious 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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### 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.
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### 6.4. Reference to other sections

	See section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION for further information. See section 13. DISPOSAL CONSIDERATIONS for further information.
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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

	Ensure adequate ventilation of the working area. Avoid contact with eyes and skin. Adopt best Manual Handling considerations when handling, carrying and dispensing.
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### 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.
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### 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.
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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

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## 8.1. Control parameters

Occupational exposure controls.

## 8.1.1. Exposure Limit Values

2-(2-Butoxyethoxy)ethanol (2-(2-Butoxyethoxy) ethanol)	WEL 8-hr limit ppm: 10	WEL 8-hr limit mg/m3: 67.5
	WEL 15 min limit ppm: 15	WEL 15 min limit mg/m3: 101.2
	WEL 8-hr limit mg/m3 total - inhalable dust:	WEL 15 min limit mg/m3 total - inhalable dust:
	WEL 8-hr limit mg/m3 total - respirable dust:	WEL 15 min limit mg/m3 total - respirable dust:

## 8.2. Exposure controls



## 8.2.1. Appropriate engineering controls

Ensure adequate ventilation of the working area.

## 8.2.2. Individual protection measures

Wear suitable gloves and eye/face protection.

## Eye / face protection

Approved safety goggles.

Skin protection -  
Handprotection

Wear suitable gloves.

## Skin protection - Other

Wear suitable protective clothing, gloves and eye/face protection.

## Respiratory protection

Wear suitable respiratory equipment when necessary.

## Occupational exposure controls

Keep away from food, drink and animal feedingstuffs.

## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

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## 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Liquid
<b>Colour</b>	Brown
<b>Odour</b>	Characteristic
<b>Odour threshold</b>	No data available
<b>pH</b>	No data available
<b>Melting point</b>	No data available
<b>Freezing Point</b>	No data available
<b>Initial boiling point</b>	150 - 200 °C
<b>Flash point</b>	≈ 41 °C
<b>Evaporation rate</b>	No data available
<b>Flammability (solid, gas)</b>	No data available
<b>Vapour pressure</b>	No data available
<b>Vapour density</b>	No data available
<b>Relative density</b>	± 0.874
<b>Fat Solubility</b>	No data available
<b>Partition coefficient</b>	Not relevant
<b>Autoignition temperature</b>	≈ 230 °C
<b>Viscosity</b>	± 15 sec. 3 mm (ISO 2431)
<b>Explosive properties</b>	No data available
<b>Oxidising properties</b>	No data available
<b>Solubility</b>	- Insoluble in water

## 9.2. Other information

<b>Conductivity</b>	No data available
<b>Surface tension</b>	No data available
<b>Gas group</b>	No data available
<b>Benzene Content</b>	No data available
<b>Lead content</b>	No data available
<b>VOC (Volatile organic compounds)</b>	- 499 g/l

## 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.

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## 11.1. Information on toxicological effects

Serious eye damage/irritation	May cause irritation to eyes.
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## SECTION 12: Ecological information

## 12.2. Persistence and degradability

	No data is available on this product.
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## 12.3. Bioaccumulative potential

	No data is available on this product.
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## Partition coefficient

	Granseal Not relevant	White spirit No data available
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## 12.4. Mobility in soil

	No data is available on this product.
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## 12.5. Results of PBT and vPvB assessment

	No data is available on this product.
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## 12.6. Other adverse effects

	No data is available on this product.
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## 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

## Hazard pictograms



## 14.1. UN number

	UN1263
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## 14.2. UN proper shipping name

	PAINT
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## 14.3. Transport hazard class(es)

ADR/RID	3
Subsidiary risk	-
IMDG	3
Subsidiary risk	-
IATA	3
Subsidiary risk	-

## 14.4. Packing group

Packing group	III
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## 14.5. Environmental hazards

Environmental hazards	No
Marine pollutant	No

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## 14.6. Special precautions for user

No data is available on this product.

## 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No data is available on this product.

## ADR/RID

Hazard ID	30
Tunnel Category	(D/E)

## IMDG

EmS Code	F-E S-E
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## IATA

Packing Instruction (Cargo)	366
Maximum quantity	220 L
Packing Instruction (Passenger)	355
Maximum quantity	60 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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## 15.2. Chemical safety assessment

No data is available on this product.

## SECTION 16: Other information

## Other information

Revision	This document differs from the previous version in the following areas: 12 - 12.1. Toxicity.
Text of risk phrases in Section 3	R10 - Flammable R36 - Irritating to eyes. R48/20 - Harmful: danger of serious damage to health by prolonged exposure through inhalation. R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R65 - Harmful: may cause lung damage if swallowed. R66 - Repeated exposure may cause skin dryness or cracking. R67 - Vapours may cause drowsiness and dizziness.
Text of Hazard Statements in Section 3	EUH066 - Repeated exposure may cause skin dryness or cracking. Flam. Liq. 3: H226 - Flammable liquid and vapour. Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways. STOT SE 3: H335 - May cause respiratory irritation. STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure . Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.

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**Other information**

<b>Maximum content of VOC</b>	499 g/l.
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**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.
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