


# Granseal Heavy Duty

## Material Safety Datasheet

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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	Granseal Heavy Duty
1.2 Relevant identified uses of the substance or mixture and uses advised against	
Description	High performance floor coating
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	Xn; R48/20-65 N; R51/53 R10-66-67 Symbols: Xn: Harmful. N: Dangerous for the environment.
Main hazards	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

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Hazard statement	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.
Precautionary Statement: Prevention	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 not 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.
Precautionary Statement: Response	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.
Precautionary Statement: Storage	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.
Precautionary Statement: Disposal	P501 - Dispose of contents/container to requirements of local Authority
2.3 Other hazards	
Other hazards	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;	

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### 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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### 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

Ensure adequate ventilation of the working area. 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.

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### Section 8 - Exposure controls/personal protection

#### 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/m <sup>3</sup> :	67.5
	WEL 15 min limit ppm:	15	WEL 15 min limit mg/m <sup>3</sup> :	101.2
	WEL 8-hr limit mg/m <sup>3</sup>		WEL 15 min limit mg/m <sup>3</sup>	
	total inhalable dust:	-	total inhalable dust:	-
	WEL 8-hr limit mg/m <sup>3</sup>		WEL 15 min limit mg/m <sup>3</sup>	
	total respirable dust:	-	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.

##### Skin protection - Handprotection

Keep away from food, drink and animal feedingstuffs.

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### Section 9 - Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties (continued)

Appearance	Liquid
Colour	Brown
Odour	Characteristic
Odour threshold	No data available
pH	No data available
Melting point	No data available
Freezing point	No data available
Initial boiling point	No data available
Flash point	> 41°C
Evaporation rate	No data available
Flammability (solid, gas)	Not applicable
Vapour pressure	No data available
Vapour density	No data available
Relative density	≈ 0.91 (H <sub>2</sub> O = 1 @ 20°C)
Fat Solubility	No data available
Partition coefficient	No data available
Autoignition temperature	> 230°C
Viscosity	15 sec. 3 mm (ISO 2431)
Explosive properties	No data available
Oxidising properties	No data available
Solubility	Insoluble 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)	499 g/l

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## 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

No data is available on this product.

### 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.



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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
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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
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Marine pollutant	No
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#### 14.6 Special precautions for user

	No data is available on this product.
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#### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

	No data is available on this product.
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ADR/RID	
Hazard ID Tunnel Category	30 (D/E)
IMDG	
EmS Code	F-E S-E
IMDG	
Packing Instruction (Cargo) Maximum quantity Packing Instruction (Passenger) Maximum quantity	366 220L 355 60L
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>
15.2 Chemical safety assessment	
	No data is available on this product.

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### 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	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.

#### Other information

Maximum content of VOC	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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Granseal Heavy Duty - MSDS

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