



# MATERIAL SAFETY DATA SHEET

Product name: **Granpaint Hardener**

Reviewed date: September 2009 reviewed by MC

## 1. Identification of substance

Substance: **Granpaint Hardener**  
Supplier: Granwax Products Ltd  
West Street  
Riddings, Alfreton,  
Derbyshire. DE55 4EW.  
Telephone: 01773 541177 Fax:01773 541429.  
This revision September 2009

## 2. Composition/Data on components

*Composition and classification of potentially hazardous components.*

<u>Component</u>	<u>EINECS No.</u>	<u>CAS No.</u>	<u>Concentration range</u>	<u>Classification</u>	<u>Risk phrases</u>
Ethyl acetate	205-500-4	141-78-6	Approx. 25%	F,Xi	R11-36,66,67

## 3. Hazards identification

Highly flammable liquid  
Irritating to eyes

## 4. First aid measures

**Skin exposure:** Generally the product does not irritate the skin. If there is any effect immediately wash the affected area with soap and water for at least 15 minutes. If symptoms persist seek medical advice.

**Eye splashes:** If the material is splashed into the eye, wash the affected eye with clean running water for at least 15 minutes. Seek medical advice.

**Swallowing (ingestion):** If material is accidentally swallowed, do not make patient vomit, seek medical advice. This information should be taken with the patient when seeking medical advice.

**Inhalation:** Move patient to fresh air. If patient is unconscious, place in the recovery position and seek medical help immediately.

## 5. Fire fighting measures

Use carbon dioxide, dry powder or foam extinguishants only. Do not use water.  
Wear self-contained breathing apparatus.



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## 6. Accidental release measures

Wear protective equipment as specified below. Remove all potential sources of ignition.  
Spillages should be contained with a non-combustible adsorbent material and collected for disposal in accordance with the local regulations.  
Spillages should not be allowed to run to surface waters.  
Spillages should not be allowed to enter basements or pits where flammable vapours may collect and form an explosive atmosphere.

## 7. Handling & storage

Store away from sources of heat or ignition including electrostatic discharge. Should be stored securely in a cool dry place where they cannot be interfered with or used by unauthorised persons.

## 8. Exposure controls & personal protection

UK Maximum Exposure Limits (MEL) or Occupational Exposure Standards (OES) as per HSE Doc. EH40/2002

N-butyl acetate	Occupational Exposure Limit	400 ppm	8 hour TWA
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From HSE Doc. EH 40/2002 and manufacturers information.

Exposure controls:

Occupational exposure controls;

Respiratory protection: Provide sufficient ventilation during use to ensure OEL is not reached; if this is not possible organic vapour filter masks should be used (A1 or A2 EN 141) for short periods or an air-fed mask for longer exposure.

Hand protection: Solvent resistant gloves to EN 374-3 or equivalent should be used to protect the hands during use, note – breakthrough time: “only suitable for splash protection”. Suitable work-wear or overalls should be used to protect clothing and skin.

Eye protection: Safety goggles or face shield should be used when handling this material to protect from liquid droplets or splashes.

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## 8. (cont) Exposure controls and personal protection

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In the case of hypersensitivity of the respiratory tract (e.g. asthmatics or chronic bronchitis sufferers) it is inadvisable to work with this product. Respiratory symptoms can occur several hours after overexposure.

Keep away from foodstuffs, drinks and tobacco. Wash hands before breaks and at end of work. Keep working clothes separate. Immediately remove contaminated clothing.

Environmental exposure controls:

No specific environmental legislation applies, but good practice should be followed. The product should not be allowed to spill or run into surface waters.

## 9. Physical and chemical properties

General information

Appearance: Colourless liquid      Odour: characteristic

Important health, safety and environmental information

pH:	Not applicable	Boiling point / range	76 deg. C
Flash point	-4 deg. C	Flammability	Highly Flammable
Autoflammability	Ignition at 460 deg. C, product is not self-igniting		
Explosive properties	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.		
Explosion limits:	Lower: 2.1 Vol%, Upper: 11.5 Vol%		
Oxidising properties	None	Vapour pressure	97 hPa
Relative density	Not determined	Solubility	79 g/l
Solvent content (organic)	25%		

## 10. Stability and reactivity

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

Dangerous reactions: No dangerous reactions known.

Dangerous decomposition products: none known.



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## 11. Toxicological information

Acute toxicity:

LD/LC50 values relevant for classification:

1330-20-7 Xylene (mix)

Oral LD50 8700mg/kg (rat)

Dermal LD50 2000mg/kg (rbt)

Inhalative LC50/4 h 6350mg/kg (rat)

Primary irritant effect:

Skin – No Irritantating effect.

Eye – Irritating effect.

Sensitization – No sensitizing effects known.

This preparation classified as IRRITANT.

## 12. Ecological information

The exact ecological effects of this product are unknown therefore no specific environmental legislation applies, but good practice should be followed. The product should not be allowed to spill or run into surface waters.

## 13. Disposal considerations

All waste produced by industry or commerce is subject to the Duty Of Care Of Waste Regulations.

This product is classified as Special Waste. Any surplus or waste arising from the normal use of this preparation must be disposed of in accordance with the Special Waste regulations.

## 14. Transport considerations

UN. : 1263  
IMDG Code Class. : 3  
Packing group. : II  
ADR. : 3  
Proper Shipping Name. : PAINT or PAINT RELATED MATERIAL

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## 15. Regulatory information

Labels for this preparation must carry a IRRITANT and HIGHLY FLAMMABLE symbol and the following Risk and Safety Phrases:

Contains isocyanates. See information supplied by the manufacturer.

- |       |   |
|-------|---|
| R11 - | Highly flammable  |
| R36 - | Irritating to skin  |
| S2 -  | Keep out of the reach of children   |
| S9 -  | Keep container in a well ventilated place.  |
| S16-  | Keep away from sources of ignition – No smoking.  |
| S26 - | In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. |
| S33 - | Take precautionary measures against static discharges.  |
| S43 - | In case of fire, use water or powdered extinguishing agent.                                   |
| S60 - | This material and its container to be disposed of as hazardous waste.                         |

An assessment of the risks to health caused by the use of this substance and the other requirements of the Control of Substances Hazardous to Health (COSHH) regulations must be made by any employer or self employed person using this preparation at work, the use of COSHH Essentials is recommended.

## 16. Other information

Revision comments – amendments have been made to all sections 1 to 16 to comply with CHIP3.

Full text of risk phrases used in section 2;

- |     |   |
|-----|---|
| R11 | - Highly flammable                                      |
| R36 | - Irritating to the eyes                                |
| R66 | - Repeated exposure may cause skin dryness or cracking. |
| R67 | - Vapours may cause drowsiness and dizziness            |

It is recommended that all persons using this product be suitably trained in the use of relevant personnel protective equipment.

No other safety information is applicable to the use of this preparation for its intended purpose.

This data sheet was compiled using information from raw material manufacturers, The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002, the Approved classification and labelling guide (fifth edition) for supply, the Approved Supply List (seventh edition), EH40/2002 and the Approved Carriage List (third edition).