



**GRANWAX**  
Products Limited

# MATERIAL SAFETY DATA SHEET

Product name: **Granguard Aqua II Hardener**

Reviewed date: June 2009

Reviewed by MC

## 1. Identification of substance

Substance: **Granguard Aqua II Hardener**  
Supplier: Granwax Products Limited  
West Street  
Riddings, Alfreton  
Derbyshire DE55 4EW  
Telephone: 01773 541177 Fax: 01773 541429  
This revision: June 2009

## 2. Composition/Data on components

*Composition and classification of potentially hazardous components.*

<u>Component</u>	<u>Concentration range</u>	<u>Classification</u>	<u>Risk Phrase</u>
Dipropylene glycol methyl ether CAS No. 111109-77-4	Less than 40%	None	
Aliphatic polyisocyanate CAS No. Confidential	Less than 70%	Irritant, Sensitiser	R36/37/38 R42/R43

*Occupational exposure limits:*

Polyisocyanates Occupational Exposure Standard 0.5mg/m 8 hour TWA

*From HSE Doc. EH 40/2008.*

## 3. Hazards identification

Irritant and sensitiser: Avoid inhalation, skin and eye contact.  
Asthmatics should not be exposed to this material.

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## 4. First aid measures

**Skin exposure:** If soreness or irritation occurs as the result of skin exposure, wash the affected area with soap or mild detergent and water. Remove contaminated clothing. If symptoms persist seek medical advice. Prolonged or repeated contact may cause short term irritation, de-fatting of the skin and could cause dermatitis.

**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. Do not give patient anything to drink.

## 5. Fire fighting measures

Use dry powder, CO<sub>2</sub> or foam.

Breathing apparatus and full protective clothing should be worn by firefighters as toxic fumes will be released during burning.

Closed containers may explode when exposed to extreme heat, or burst when contaminated with water.

## 6. Accidental release measures

Spillages should be contained with a non-combustible absorbent material and collected for disposal in accordance with the local regulations. Do not place in sealed containers.

Remove sources of ignition and ventilate the area.

Spillages should not be allowed to run to surface waters.

## 7. Handling & storage

Store in cool dry well ventilated area.

Ensure containers tightly sealed to avoid moisture contamination.

All chemical preparations should be stored securely where they cannot be interfered with or used by unauthorised persons.

## 8. Exposure controls & personal protection

Respiratory protection: provide sufficient ventilation during use; filter masks should be used (A1 or A2EN41)

Hand protection: wear rubber gloves to EN374-3. Suitable overalls should be worn.

Eye protection: Safety goggles or eye shield should be worn to protect from splashes or droplets.



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## 9. Physical and chemical properties

Appearance:	Clear Liquid	Odour:	Odourless
pH:	Not Applicable	Boiling point / range:	from 1750 deg.C
Melting point / range	Not Applicable	Flash point:	Not applicable
Flammability	Not Flammable	Autoflammability:	Not applicable
Explosive properties	Not Classified	Oxidising properties:	none
Vapour pressure	Not applicable	Relative density:	Approx. SG 1.07
Solubility	Insoluble	Partition coefficient: n-octanol / water	Not determined

## 10. Stability and reactivity

This preparation is generally stable. Avoid strong oxidising agents, amines and alcohols, reacts slowly with water

## 11. Toxicological information

The product is of moderate general toxicity.  
This preparation may cause irritation to the eyes, mucous membranes and skin.  
Prolonged contact may cause drying of the skin and dermatitis.  
This preparation is classed as sensitising.  
None of the components are mutagenic or carcinogenic.  
None of the components have been classed as toxic for reproductivity.

## 12. Ecological information

None of the components present are classified as harmful to the environment at the concentrations present

## 13. Disposal considerations

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

## 14. Transport information

Not classified as dangerous goods under CDGCP2.



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## 15. Regulatory information

This preparation must carry an IRRITANT symbol and the following Risk Phrases or text:

Contains Isocyanates.  
R43 many cause sensitisation by skin contact  
S24 avoid contact with skin

## 16. Other information

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