



GRANWAX
Products Limited

MATERIAL SAFETY DATA SHEET

Product name: Granwax Total Rhino 2K (Hardener component)

Reviewed date: September 2009 reviewed by MC

1. Identification of substance

Substance: **Granwax Total Rhino 2K Hardener component**
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>Concentration range</u>	<u>Classification</u>
Dipropylene glycol methyl ether CAS No. 111109-77-4	Less than 40%	none
Aliphatic polyisocyanate CAS No. confidential	Less than 70%	Irritant

Occupational exposure limits: none applicable

3. Hazards identification

This preparation is classified as IRRITANT and the following risk phrases apply;

R43 - May cause sensitization by skin contact

4. First aid measures

Skin exposure: If soreness or irritation occurs as the result of skin exposure, wash the affected area with clean running water for at least 15 minutes. If symptoms persist seek medical advice.

Eye splashes: If the material is splashed into the eye, wash the 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.



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5. Fire fighting measures

Use dry powder or foam extinguishants only.

6. Accidental release measures

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. All chemical preparations should be stored securely where they cannot be interfered with or used by unauthorised persons. Subject to the Highly Flammable Liquids & Petroleum Gases Regulations, up to 50 litres may be kept in workroom in a fireproof cupboard or bin, otherwise must be kept in a separate room.

8. Exposure controls & personal protection

As with any solvent based product, prolonged exposure of the skin may cause irritation and dermatitis.

Rubber or latex gloves should be used to protect the hands during use and suitable workwear or overalls should be used to protect clothing and skin.

As with all solvent based products, approved eye protection should be used when handling this material.

Use only in well ventilated areas, if the OES is likely to be exceeded an approved respirator should be used.

9. Physical and chemical properties

Appearance:	Clear liquid	Odour:	nearly odourless
pH:	Not applicable	Boiling point / range:	initial 1750 C
Melting point / range:	Not applicable	Flash point:	65 0 C
Flammability:	Not classified	Autoflammability:	Not known
Explosive properties:	None	Oxidising properties:	None
Vapour pressure:	Not known	Relative density:	SG 1.07
Solubility:	Not applicable (reacts)		
Partition coefficient:	Not known		



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10. Stability and reactivity

This preparation is stable and generally unreactive.
Avoid contact with 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 and mucous membranes. As with all solvent based preparations it may be irritant to the skin. Any person with a history of skin sensitisation should take extra care when handling this preparation. Reducing the periods of skin exposure to any substance or preparation will reduce the risk of sensitization or other irritation occurring.
The product contains small amounts of free monomeric isocyanates which can cause respiratory sensitisation.

12. Ecological information

None of the components of this product are classified as harmful to the environment at the concentrations present.
The exact ecological effects of this product are unknown but the solvents present are likely to be marine pollutants.

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 information

UN :
IMO Code Class :
Packing group :
ADR



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15. Regulatory information

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

Contains isocyanates!

R43 - May cause sensitization by skin contact

S24 - Avoid contact with skin.

This substance is classified as a substance hazardous to health within the definition given in Regulation 2 of the COSHH Regulations. An assessment of the risks to health caused by the use of this substance and the other requirements of the COSHH regulations must therefore be made by any employer or self employed person using this preparation at work.

The European Committee of Paint, Printing Ink and Artists' Colours Manufacturers' Associations (CEPE) provides the following information on coatings containing isocyanates :

Ready to use paints containing isocyanates may have an irritant effect on mucous membranes - especially on breathing organs - and cause hypersensitivity reactions. Inhalation of vapour or spray mist may cause sensitisation. When handling paints containing isocyanates all precautions for solvent- containing paints must be followed. Persons who are allergic, asthmatic, or prone to respiratory ailments should not work with isocyanate containing paints.

16. Other information

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