

# Material Safety Data Sheet

## 1. Chemical Product

Product Name: Nano470 Windscreen Repair – Low Viscosity  
Product Type: White/Safe Light Curing product. Windscreen repair adhesive.

## 2. Composition and Information on Harmful Ingredients

Ingredients	% by weight	Hazard symbol	R Phrases
Hydroxyalkyl Methacrylate	<100%	X Irritant	36/38, 43

## 3. Hazards Identification

Classification (CHIP)

Main Health Hazards: X Irritant

Irritating to eyes and skin, may cause sensitisation by skin contact.

## 4. First Aid Measures

Inhalation: Unlikely to occur, however, remove subject to fresh air. Give artificial respiration where necessary. If condition does not improve seek medical advice.

Skin Contact: Remove all contaminated clothing, wash skin thoroughly with soap and water. Consult doctor if irritation persists.

Eye Contact: Flush eyes immediately with copious quantities of water for at least 15 minutes. Seek medical advice if irritation persists.

Ingestion: Do not induce vomiting. Rinse mouth out with water. Give subject plenty of water to drink. Seek medical attention immediately.

## 5. Fire Fighting Measures

Extinguishing media: Foam, Carbon Dioxide, water mist and dry powders.

Combustion Products: CO, Carbon Dioxide, possibly phenol derivatives and others not determined.

Special protective

Equipment for Fire fighters: For large fires the local fire brigade must be called.

Respirators and protective clothing must be worn.

## 6. Accidental release Measures

Personal Protection: Contact with skin and eyes and inhalation of vapours to be avoided if possible. Wear suitable mask/respiratory equipment, gloves/goggles and complete impervious clothing.

Environmental Precautions: Do not allow entry into sewers or natural environments.

Workplace Precautions: Adequate workplace ventilation necessary.  
Safety shower and eyewash should be close by.

Methods for cleaning up: Contain spillage with sand or earth. Plug sewer outlets and pump spreading fluid.  
Wash area with plenty of water.

Disposal considerations: In accordance with local authority regulations. Probably by controlled incineration by an approved contractor.  
Do not allow entry into sewers or natural environments.

## 7. Handling and Storage

Handling precautions: Ensure adequate ventilation. Wear suitable protective clothing  
High standards of industrial hygiene are necessary

Avoid any unnecessary exposure.

Storage: Store upright in original containers in a cool, dry place ideally between 5 - 25°C. Store tightly closed and protected from sunlight. Avoid proximity of flames and heat sources.

Shelf Life: Approximately 12 months under proper storage conditions. Refrigeration may prolong shelf life.

## 8. Exposure Control and Personal Protection

Ventilation:	Good ventilation is required.
Respiratory Protection:	None routinely necessary. Use fresh air breathing apparatus or solvent filter mask when Exposed to large quantities in confined spaces.
Eye Protection:	Safety glasses or goggles are recommended.
Hand Protection:	Chemical resistant gloves (nitrile) are recommended.
Skin Protection:	Overalls are recommended when large quantities of product are involved.

## 9. Physical and Chemical Properties

Appearance:	Clear liquid.
Colour:	Colourless.
Odour:	Faint.
Melting Point:	N/D
Boiling Point:	>90°C                      Polymerisation above 150°C
FlashPoint:	>100°C
Flammability:	Low
Solid Content:	Approx. 100%
Autoflammability:	N/D
Explosive limits:	UEL : N/D LEL : N/D
Oxidising Properties:	
Vapour pressure:	<1 mbar at 20°C Hydroxyalkyl methacrylate
Relative density:	1,0682 (g/cm <sup>3</sup> )
Solubility in water:	Complete
Viscosity:	
Brookfield @ 25°C spindle 3	25 @ 20RPM, 18 @ 50RPM

## 10. Reactivity and Stability

Conditions to avoid:	Sunlight. Anaerobic atmosphere.
Materials to avoid:	Polymerisation catalysts such as free radicals and their precursors, peroxides, radiations, Strong bases, oxidants, mineral acids and transition metals.
Hazardous decomposition products:	CO, Carbon Dioxide, possibly of phenol derivatives and others not determined.
Hazardous polymerisation:	May occur. Conditions to avoid : As above.

## 11. Toxicological Information

Effect of eye contact:	Causes moderate irritation and may cause permanent damage.
Effect of skin contact:	Causes moderate irritation. On prolonged or repeated contact may cause sensitisation with itching and soreness.
Effect of inhalation:	Not likely to occur although high concentrations can cause irritation.
Effect of ingestion:	Not likely to occur. Significant ingestion causes irritation of the mouth, throat and digestive tract.

## 12. Ecological information

No information available at the present time.

## 13. Disposal considerations

In accordance with Local Authority regulations.  
Probably by controlled incineration by an approved contractor.  
Do not allow entry into sewers or natural environment.

#### **14. Transportation Information**

Not considered hazardous for the purposes of transportation.

#### **15. Regulatory Information**

CHIP Labelling:                Symbol: X  
   Hazard: Irritant  
   Contains: Hydroxyalkyl Methacrylate

European Information:        Risk Phrases: 36/38 43

Irritating to eyes and skin, may cause sensitisation by skin contact.

Recommended Safety Phrases: 26/28, 36/37/38

In case of contact with eyes, rinse immediately with plenty of water and  
Seek medical advice.

After contact with skin, wash immediately with soap and water.

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

#### **16. Other Information**

**Date of preparation March 2002**

#### **Disclaimer**

No liability is accepted for any injury, loss, damage or cost arising directly or indirectly from the use of any information contained within this MSDS since the customer's treatment of the product is necessarily out of our control.

The data given above is based upon current knowledge and experience.