Material Safety Data Sheet

1. Chemical Product

Product Name: Nano470 Windscreen Repair Medium Viscosity Resin.
Product Type: White/Safe Light Curing Windscreen repair pit filler.

2. Composition and Information on Harmful Ingredients

Ingredients	% by weight	Hazard Symbol	R Phrases
Urethane Acrylate oligomer	<40%	Irritant	36/38
Methacrylate	<40%	Irritant	36/37/38

3. Hazards Identification

Classification (CPL): Irritant
Main Health Hazards: May cause irritation to eyes, respiratory system and skin.

4. First Aid Measures

Inhalation: Remove subject to fresh air. Rest in a half upright position and loosen clothing. Administer artificial respiration as necessary. If condition does not improve and in serious cases, seek medical attention.
Skin Contact: Wash immediately with plenty of soap and water. Consult doctor if irritation persists.
Eye contact: Flush eyes immediately with copious quantities of water for at least 15 minutes, with the eyelids held open. Seek prompt medical advice if irritation develops.
Ingestion: Do not induce vomiting. Rinse mouth out with water. If conscious, give subject plenty of water to drink. Seek medical attention immediately.

5. Fire Fighting Measures

Extinguishing media: Water mist, foam and dry powders.
Combustion Products: CO, carbon dioxide, traces of phenyl derivatives and oxides if nitrogen.

Special protective Equipment for Fire fighters: For large fires the local fire brigade must be called. Self contained breathing apparatus and protective clothing must be worn.

6. Accidental Release Measures

Personal protection: Contact with skin and eyes and inhalation of vapours to be strictly avoided. Wear 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. Suction exhaust of vapours at source recommended. Safety shower and eyewash should be close by.
Methods for Cleaning Up: Evacuate area, limit access. Maximise ventilation. Contain spillage with sand or earth. Material will harden in sunlight. Mechanically remove hardened product to closed, labelled containers for disposal. Wash area with plenty of soap solution.
Disposal considerations: In accordance with local authority regulations.
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.
Avoid contact with skin and eyes. Avoid inhalation of vapour. High standards of industrial hygiene are necessary.
Storage: Store upright in original containers in a cool dry, well ventilated place. Protect from high temperatures, ignition sources and sunlight. Store at temperatures preferably 5 - 20°C.

Shelf Life: Approximately 6 – 12 months under proper storage conditions. Refrigeration may prolong shelf life.

8. Exposure Control and Personal Protection

Ventilation: Good ventilation is required. Suction exhaust of vapours at source is recommended.
Respiratory protection: In emergencies/ confined spaces/ high concentrations use self contained breathing apparatus. Do not use masks/respirators in confined spaces due to lack of oxygen.
Eye Protection: Safety glasses or goggles are recommended.
Hand Protection: Neoprene gloves or chemical resistant gloves are recommended.
Skin Protection: Impervious overalls are recommended when large quantities of product are involved.

9. Physical and Chemical Properties

Form: Low viscosity, clear liquid
Colour: Clear,colourless
Odour: Methacrylate
Melting point: N/D
Oxidising Properties:
Vapour pressure
Of principle Component and name: Negligible
Relative density: @ 25°C Approx 1.1
Solubility in water: Negligible
Viscosity: @25°C Approx 500mPas
Refractive index: 1,4785
Flash Point: 97 ± 1.5°C

10. Reactivity and Stability

Conditions to avoid: High temperature. Sunlight/ radiations. Ignition sources/ static discharges. Contamination.
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, traces of phenyl derivatives and oxides of nitrogen.
Hazardous polymerisation: May occur. Conditions to avoid: Sunlight, prolonged heating, catalysts and materials as above.

11. Toxicological Information

Effect of eye contact: Vapour and liquid may be irritating to eyes.
Effect of skin contact: Moderate irritation to skin especially on prolonged or repeated contact.
Effect of inhalation: May cause irritation of eyes, nose and respiratory tract. Ensure adequate ventilation.
Effect of ingestion: May cause irritation to mouth throat and digestive tract. Acute oral toxicity expected to be low.

12. Ecological Information

No information available at the present time.

13. Disposal Considerations

In accordance with local authority regulations.
Controlled incineration by an approved contractor.
Do not allow entry into sewers or natural environments.

14. Transportation Information

Not considered hazardous for the purposes of transportation.

15. Regulatory Information

CPL Labelling	Symbol:	St Andrews cross
	Hazard:	Irritant
	Contains:	Urethane acrylate oligomer and methacrylate

European Information

Risk Phrases: R 36/37/38
Irritating to eyes, respiratory system and skin.

Safety Phrases: S 36/37/39, 26, 28
Wear suitable protective clothing, gloves and eye/face protection
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.

Protect from heat, ignition sources and sunlight.

16. Other Information

Polymerisation is highly exothermic. Heating can cause uncontrolled polymerisation, which can result in closed containers bursting explosively.

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Disclaimer
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