



*** SAFETY DATA SHEET ***

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME..... Permabond A1042

Permabond, Division of National Starch & Chemical
Woodside Road
Eastleigh
Hants.
SO50 4EX
United Kingdom
EMERGENCY TELEPHONE:
(44) 01703 629628 (Business hours)

2. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL FAMILY..... Methacrylate Ester

No components which pose a risk.

3. HAZARDS IDENTIFICATION

No European Danger category (67/548/EEC and amendments).

EYE.....	Slightly irritating but does not injure eye tissue.
SKIN CONTACT.....	Low order of toxicity.
INHALATION.....	No hazard in normal industrial use.
INGESTION.....	Low order of toxicity. No hazard in normal industrial use.

4. FIRST-AID MEASURES

EYE.....	Flush eyes with plenty of clean water.
SKIN CONTACT.....	Wash with soap and water.
INHALATION.....	Remove to fresh air.
INGESTION.....	DO NOT induce vomiting. If individual is conscious, give milk or water to dilute stomach contents. Keep warm and quiet. Get prompt

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4. FIRST-AID MEASURES (Continued)

medical attention.

5. FIREFIGHTING MEASURES

AUTOFLAMMABILITY.....	Not Applicable
FLASH POINT.....	>100 C (Pensky-Martens Closed Tester)
EXTINGUISHING MEDIA.....	CO2; Dry chemical; Foam; Water fog
SPECIAL FIREFIGHTING PROCEDURES....	Fire fighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes
FIRE & EXPLOSION HAZARDS.....	Combustion may release noxious or toxic vapours. See below.
HAZARDOUS COMBUSTION PRODUCTS.....	Thermal decomposition could produce carbon monoxide, carbon dioxide, and unidentified organic compounds.
UPPER EXPLOSION LIMIT (%).....	Not Applicable
LOWER EXPLOSION LIMIT (%).....	Not Applicable

6. ACCIDENTAL RELEASE MEASURES

SPELL AND LEAK PROCEDURES.....	Take up with sand or other absorbent material and place in container for later disposal. This material should not be spilled, dumped, or flushed into sewers or public waterways.
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For safety and environmental precautions, please review entire Safety Data Sheet for necessary information.

7. HANDLING AND STORAGE

STORAGE TEMPERATURE.....	Ambient.
SPECIAL SENSITIVITY.....	Keep away from heat.
HANDLING/STORAGE.....	Store in cool, dry place.
VENTILATION REQUIREMENTS.....	General
SENSITIVE TO STATIC ELECTRICITY?...	No
SENSITIVITY TO MECHANICAL IMPACT...	No

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION REQUIREMENTS.....	General
EYE PROTECTION REQUIREMENTS.....	Avoid contact with eyes. Wear chemical goggles if there is likelihood of contact with eyes.
GLOVE REQUIREMENTS.....	The use of chemically resistant gloves is recommended.
CLOTHING REQUIREMENTS.....	Overalls or lab coat should be worn.
RESPIRATORY REQUIREMENTS.....	None required under normal handling conditions.

9. PHYSICAL AND CHEMICAL PROPERTIES

PURE SUBSTANCE OR PREPARATION.....	Preparation
PHYSICAL FORM.....	Liquid
APPEARANCE/ODOUR.....	Blue; Acrylic odour
ODOUR THRESHOLD.....	Not available.
pH AS IS.....	Not Applicable
BOILING POINT.....	Not Applicable
MELTING/FREEZING POINT.....	Not Applicable
SOLUBILITY IN WATER.....	Insoluble
PARTITION COEFFICIENT (n-octanol/water).....	Not Applicable
RELATIVE DENSITY.....	1.080
EVAPORATION RATE.....	Not Applicable
VAPOUR PRESSURE (mmHg).....	Not Applicable
VAPOUR DENSITY (air=1).....	Not Applicable
VISCOSITY.....	600 mPa.s
VOLATILES.....	None.
VOLATILE ORGANIC COMPOUNDS.....	<5 g/l
AUTOFLAMMABILITY.....	Not Applicable
FLASH POINT.....	>100 C (Pensky-Martens Closed Tester)
OXIDIZING PROPERTIES.....	Not Applicable

10. STABILITY AND REACTIVITY

STABILITY.....	Stable
MATERIALS TO AVOID.....	Acids; Bases; Peroxides
HAZARDOUS DECOMPOSITION PRODUCTS...	Thermal decomposition could produce carbon monoxide, carbon dioxide, and unidentified organic compounds.
HAZARDOUS POLYMERIZATION	

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10. STABILITY AND REACTIVITY (Continued)

CONDITIONS..... An oxygen-free atmosphere may cause hazardous polymerization.

11. TOXICOLOGICAL INFORMATION

PRODUCT TOXICOLOGY

EYE IRRITATION..... Transient

CHRONIC (LONG TERM) EFFECTS OF EXPOSURE

ROUTE OF ENTRY..... Eye contact
EFFECTS OF CHRONIC EXPOSURE..... Although this product has not been tested for chronic effects it is judged as having a low order of toxicity based on component information. Use of good industrial hygiene practices is recommended.
TARGET ORGANS..... Not Applicable
SPECIAL HEALTH EFFECTS..... None known.

12. ECOLOGICAL INFORMATION

POTENTIAL EFFECT ON ENVIRONMENT.... Unknown.
MOBILITY..... Unknown.
PERSISTENCE AND DEGRADABILITY..... Unknown
POTENTIAL TO BIOACCUMULATE..... Unknown
ECOTOXICITY..... Unknown.
AQUATIC TOXICITY..... None established.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS..... Waste disposal should be in accordance with existing Community,National and local regulations.
EMPTY CONTAINER WARNINGS..... Empty containers may contain product residue; follow SDS and label

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13. DISPOSAL CONSIDERATIONS (Continued)

warnings even after they have been emptied.

14. TRANSPORT INFORMATION (See also section 9)

ADR/RID.....	Not Applicable
CEFIC TREMCARD NUMBER.....	Not Applicable
HAZCHEM CODE.....	Not Applicable
KEMMLER CODE.....	Not Applicable
IMDG CLASSIFICATION.....	Not Applicable
IATA CLASSIFICATION.....	Not Applicable
MARINE POLLUTANT.....	No
U.N. NUMBER (S.I.N.).....	Not Applicable
U.N. CLASS, PACKING GROUP.....	Not Applicable

15. REGULATORY INFORMATION

EEC HAZARD CLASSIFICATION..... None.

Directives 88/379/EEC and 91/155/EEC have been considered when compiling this SDS; the information is provided for health and safety assessment by an industrial user. Reference should be made to any relevant local or national health, safety, and environmental legislation. This information does not constitute indication of suitability for specific uses.

16. OTHER INFORMATION

MSDS DATE..... 13 August, 1996

FOR REGULATORY INFORMATION, CONTACT:

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