

Material Safety Data Sheet

MSDS: Nu-Bond

Date of Issue: June 2004
Supersedes Issue Date: May 1992

Nu-Bond

Company Details

Nutech Paint Pty Ltd (A.B.N. 94 242 116 396)
4 Keppler Circuit, Seaford, Victoria 3198, Australia
Tel: (03) 9775 1491 Fax: (03) 9775 1680
Emergency Telephone 000

Product Identification

This product is classified as non-hazardous according to criteria of Worksafe Australia

Product Name: Nu-Bond
Other Names: Nubond Concrete Additive, Nubond Stencil Mix Activator
Shipping Name: Adhesive/Primer, Concrete/Cement Additive
U.N. Number: N/A
D.G. Class: N/A
Subsidiary Risk: N/A
Hazchem Code: N/A
Packaging Group: N/A
Poisons Schedule: N/A
Chemical Description: Carboxylated styrene/butadiene copolymer latex and antioxidant
Use: Exterior water based primer and adhesive additive for cement and concrete

Physical Description / Properties

Appearance: White low viscosity dispersion
Odour: Styrene and budadiene dimers
Boiling Point (°C): 100 (water)
pH 11.0
Relative Density: 1.01
Shelf Life:
Butadine Content: 40% approx.
Flammability Limits: N/A
Solubility in Water: Soluble
Solubility in Organic Solvents: Immiscible
Vapour Pressure (kPa): N/A
Volatiles %: 53
Flash Point (°C): N/A
Volatile Component 100 mPa.s

Ingredients

<u>Chemical Entity</u>	<u>C.A.S. Number</u>	<u>Proportions %</u>
Polymer Resins	NAS	47
Styrene	100-42-5	< 1.5
Sodium Hydroxide	1310-73-2	< 0.13

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Health Hazard Information

Health Effects

Effects of Overexposure – Acute

If swallowed not expected to be harmful, may be eye irritant. Prolonged or repeated contact with skin may result in irritation or rash and excessive exposure to vapours or spray mist may cause irritation to eyes, nose and throat.

Effects of Exposure – Chronic

No data available, but not expected to be harmful.

Emergency and First Aid Procedures

Swallowed

Decision to induction of vomiting should be made by a properly qualified person. Seek immediate medical attention.

Eye

Immediately hold open eyes and flush with water continuously for at least fifteen minutes. Seek medical attention.

Skin

Remove contaminated clothing and wash affected area with plenty of soap and water.

Inhaled

Remove to fresh air and apply artificial respiration if not breathing. Keep person calm and seek medical attention.

Advice to Doctor

Treat symptomatically.

Precautions for Use

Exposure Standards

50 ppm for 8 hour working day exposure

Engineering Controls

Avoid heating product

Ventilation

Use in well ventilated area or use local exhaust - face velocity > 20 m/min

Personal Protection

Gloves: Long impervious PVC

Overalls: Cotton

Eyes: Goggles

Respiratory: Brush or Roller Application: Type A, Class 1 organic vapour (to AS1715) (eg 3M Easicare 5101/5201/5301, Type 1A)

Spray Application: Above, in conjunction with Class P1 particle filter.

Other: Practice strict hygiene - wash before breaks and after finishing

Flammability Non flammable liquid

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Safe Handling Information

Storage and Transport

Store in closed containers at moderate temperatures (5-35°C) to avoid long term damage due to heat or cold. Protect from frosts. Stir before use.

Spill

wear appropriate protection equipment. Do not contaminate streams, rivers, water courses. Do not flush down drains or sewers, if liquid does enter advise local authority. Dike and contain spill with sand or earth. Clean up before material dries. Absorb liquid with sand or other absorbent. Place used absorbent in suitable, sealed labelled containers.

Waste Disposal

Observe all Federal, State and Local regulations. Dispatch sealed labelled material to approved waste authority.

Fire / Explosion Hazard

Explosion Limit Upper:	N/A
Explosion Limit Lower:	N/A
Dust Explosion Hazard:	N/A
Hazardous Decomposition Products:	Smoke, carbon monoxide (from dried polymer film)
Hazardous Polymerisation Products/Reactions:	Will not occur
Extinguishing Media:	Water, foam, carbon dioxide, dry chemical. Cool drums with water spray
Other Precautions:	Fire fighter should wear self-contained breathing apparatus in fire situations.

Contact Points

Nutech Paint Pty Ltd:	(03) 9775 1491
Poisons Information Centre:	131 126
Fire Brigade:	000
Ambulance:	000
Police:	000

Key to Abbreviations

N/A	Not applicable
NAS	Not assigned
°C	Degrees Celsius
k/Pa	Kilopascals
m/min	

We cannot anticipate all conditions under which this information and our products may be used. Users are advised to make their own tests to determine the safety and suitability of each product. All information in this Data Sheet is as up to date as possible. No warranty expressed or implied is made to the accuracy, reliability or completeness of this data. Nutech assumes no responsibility for personal injury or property damage to vendors, users or third parties caused by the material. Such vendors or users assume all risks associated with the use of the material.