

Material Safety Data Sheet

CRETESEAL AP

Infosafe 1HL83 No.	Version No.	ISSUED Date	April 2009	Status ISSUED by NUPLEXIN
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Classified as hazardous according to criteria of NOHSC

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name

CRETESEAL AP

Product Code

B82032

Company Name

Nuplex Construction Products, a Divsn of Nuplex Indust. (Aust) Pty Ltd (ABN 25 000 045 572)

Address49-61 Stephen Road, BOTANY, NSW 2019
New Zealand: Nuplex Industries Ltd., 12 Industry Road, Penrose, Auckland**Emergency Tel.**

Australia: 1800 022 037 (24H); New Zealand: 0800 154 666 (24H)

Telephone/Fax Number

Tel: Australia: (02) 9839 4000; New Zealand; (09) 579 2029 Fax: Australia: (02) 9674 6225; New Zealand: (09) 525 1618

Recommended Use

Concrete sealer.

Other Names

Not Available

2. HAZARDS IDENTIFICATION

Hazard Classification

Australia:

Classified as Hazardous according to criteria of National Occupational Health & Safety Commission, Australia (NOHSC).

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

New Zealand:

Classified as Hazardous according to the New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.

Classified as Dangerous Goods for transport according to the NZS 5433:2007 Transport of Dangerous Goods on Land.

HSNO Classification:

3.1C - Flammable liquids: medium hazard

6.1D - Substance that is acutely toxic (Dermal)

- 6.1E - Substance that is acutely toxic (Oral, Inhalation)
- 6.3A - Substance that is irritating to the skin
- 6.4A - Substance that is irritating to the eyes (mild irritant)
- 6.8B - Substance that is suspected to be a human reproductive or developmental toxicant
- 6.9B - Substance that is harmful to human target organs or systems (repeated exposure)
- 9.1D - Substance that is slightly harmful to the aquatic environment or is otherwise designed for biocidal action
- 9.3C - Substance that is harmful to terrestrial vertebrates

Hazard statement code:

- H226 Flammable liquid and vapour.
- H312 Harmful in contact with skin.
- H303 May be harmful if swallowed.
- H333 May be harmful if inhaled.
- H315 Causes skin irritation.
- H320 Causes eye irritation.
- H361 Suspected of damaging fertility or the unborn child.
- H373 May cause damage to organs through prolonged or repeated exposure by ingestion or inhalation.
- H402 Harmful to aquatic life.
- H433 Harmful to terrestrial vertebrates.

Precautionary statement codes- prevention:

- P102 Keep out of reach of children. - This statement applies only where the substance is available to the general public.
- P103 Read label before use. - This statement applies only where the substance is available to the general public.
- P104 Read Safety Data Sheet before use.
- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- P233 Keep container tightly closed.
- P240 Ground/bond container and receiving equipment.
- P241 Use explosion-proof electrical/ventilating/lighting.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- P260 Do not breathe fume/gas/mist/vapours/spray.
- P264 Wash hands and skin thoroughly after handling.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P281 Use personal protective equipment as required.

Precautionary statement codes- response:

- P101 If medical advice is needed, have product container or label at hand. - This statement applies only where the substance is available to the general public.
- P302+P352 IF ON SKIN: Wash with plenty of soap and water.
- P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304+P312 IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P308+P313 IF exposed or concerned: Get medical advice/ attention.
- P312 Call a POISON CENTER or doctor/physician if you feel unwell.
- P314 Get medical advice/attention if you feel unwell.
- P331 Do NOT induce vomiting.
- P332+P313 If skin irritation occurs: Get medical advice/ attention.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P362 Take off contaminated clothing and wash before re-use.
- P363 Wash contaminated clothing before reuse.

Precautionary statement codes - Storage:

- P403+P235 Store in a well-ventilated place. Keep cool.
- P405 Store locked up.

Precautionary statement codes - Disposal:

- P501 In the case of a substance that is in compliance with a HSNO approval other than a Part 6A (Group Standards) approval, a label must provide a description of one or more appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Regulations 2001. This may also include any method of disposal that must be avoided.

Risk Phrase(s)

- R10 Flammable.
- R38 Irritating to skin.

R20/21 Harmful by inhalation and in contact with skin.

Safety Phrase(s)

S9 Keep container in a well-ventilated place.
S16 Keep away from sources of ignition - No smoking.
S23 Do not breathe gas/fumes/vapour/spray
S38 In case of insufficient ventilation, wear suitable respiratory equipment.
S24/25 Avoid contact with skin and eyes.
S37/39 Wear suitable gloves and eye/face protection.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Name	CAS	EINECS	Proportion
Xylene	1330-20-7	215-535-7	60-100 %
Acrylic resin	Proprietary		10-30 %

4. FIRST AID MEASURES

Inhalation

If inhaled, remove affected person from contaminated area. Apply artificial respiration if not breathing. Seek medical attention.

Ingestion

Do NOT induce vomiting. Immediately wash out mouth with water. Seek immediate medical attention.

Skin

Wash affected area thoroughly with soap and water. Remove contaminated clothing and wash before reuse or discard. If symptoms persist seek medical attention.

Eye

If in eyes, hold eyelids apart and flush the eye continuously with running water. Seek medical attention.

First Aid Facilities

Eye wash and normal washroom facilities.

Advice to Doctor

Treat symptomatically.

Other Information

For advice in an emergency, contact a Poisons Information Centre (Phone Australia 13 1126; New Zealand 0800 POISON / 0800 764 766) or a doctor at once.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media

Foam, carbon dioxide, dry chemical or water spray.

Hazards from Combustion Products

Under fire conditions this product may emit toxic and/or irritating fumes and gases including carbon monoxide and carbon dioxide.

Specific Hazards

Flammable liquid and vapour. Vapour/air mixtures may ignite explosively. Flashback along the vapour trail may occur. Runoff to sewer may create fire or explosion hazard.

Hazchem Code

• 3Y

Precautions in connection with Fire

Wear Self-Contained Breathing Apparatus (S.C.B.A) and full protective clothing to minimise skin exposure. Water spray may be used to cool down heat exposed containers.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures

Exclude sources of ignition and ventilate the area. Clear area of all unprotected personnel. Slippery when spilled. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye exposure and inhalation of vapours. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other non-combustible material). Collect and seal in properly labelled containers for subsequent recycling or disposal. Dispose of waste in accordance with applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water authorities and EPA in accordance with local regulations.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Avoid contact with skin and eyes. Wear overalls, impervious gloves and safety glasses. Use in designated areas with adequate ventilation. Use approved flammable liquid storage containers in the work area. Prevent release of vapours and mists into workplace air. Keep containers closed when not in use. Take precautionary measures against static discharges. Keep material away from sparks, flames and other ignition sources. Do not empty into drains. Ensure a high level of personal hygiene is maintained when using this product, that is, always wash hands before eating, drinking, smoking or using the toilet facilities.

Conditions for Safe Storage

Store in a cool, dry, well-ventilated area away from sources of ignition, oxidising agents, strong acids, foodstuffs, and clothing. Keep containers closed when not in use and securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Have appropriate fire extinguishers available in and near the storage area. Take precautions against static electricity discharges. Use proper grounding procedures.

AUSTRALIA:

For information on the design of the storeroom, reference should be made to Australian Standard AS1940 - The storage and handling of flammable and combustible liquids. Reference should also be made to all applicable local and national regulations.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards

No exposure value assigned for this specific material by the National Occupational Health and Safety Commission (NOHSC), Australia or the Occupational Safety and Health Service (OSH) of the New Zealand Department of Labour. However, the available exposure limits for ingredients are listed below:

National Occupational Health And Safety Commission (NOHSC), Australia Exposure Standards:

Substance	TWA	STEL	NOTICES
	ppm	mg/m ³	ppm mg/m ³
Xylene	80	350	150 655 -

New Zealand Occupational Safety and Health Service (OSH) Workplace Exposure Standards:

Substance	TWA	STEL	NOTICES
	ppm	mg/m ³	ppm mg/m ³
Xylene	50	217	- - -

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

STEL (Short Term Exposure Limit): The average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

Biological Limit Values

No biological limit allocated.

Engineering Controls

Provide sufficient ventilation to keep airborne levels below the exposure limits. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a flameproof exhaust ventilation system is required. Refer to AS 1940 - The storage and handling of flammable and combustible liquids and AS/NZS 2430.3.1:1997 : Classification of hazardous areas - Examples of area classification - General, for further information concerning ventilation requirements.

Respiratory Protection

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable organic vapour filter should be used. Reference should be made to Australian/New Zealand Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

Eye Protection

Safety glasses with side shields or chemical goggles should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

Hand Protection

Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

Body Protection

Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled. Industrial clothing should conform to the specifications detailed in AS/NZS 2919: Industrial clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Clear pale liquid.

Odour

Aromatic hydrocarbon odour.

Melting Point

Not available

Boiling Point

137°C to 143°C (for xylene)

Solubility in Water

Insoluble

Specific Gravity

0.92

pH Value

Not available

Vapour Pressure

5.2kPa at 38°C (for xylene)

Vapour Density (Air=1)

3.7 (air=1) (for xylene)

Evaporation Rate

0.70 (butyl acetate=1) (for xylene)

Flash Point

27°C TCC (for xylene)

Flammability

Flammable liquid

Auto-Ignition Temperature

Not available

Flammable Limits - Lower

1.7% (for xylene)

Flammable Limits - Upper

7.7% (for xylene)

10. STABILITY AND REACTIVITY

Chemical Stability

Stable under normal conditions of storage and handling.

Conditions to Avoid

Sources of ignition.

Incompatible Materials

Strong oxidising agents, halogens and molten sulfur.

Hazardous Decomposition Products

Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including carbon monoxide and carbon dioxide.

Hazardous Polymerization

Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicology Information

No toxicity data available for this material. The available toxicity data for the ingredients are as follows:

Xylene:

LD50 (Oral, Rat): 4,300 mg/kg

LC50 (Inhalation, Rat): 5,000 ppm/4h

LD50 (Dermal, Rabbit): > 1,700 mg/kg

Inhalation

Harmful by inhalation. High vapour concentrations are irritating to eyes and the respiratory tract, may cause headaches and dizziness, are anaesthetic and may have other central nervous systems effects.

Ingestion

Ingestion of this product may irritate the gastric tract causing nausea and vomiting.

Skin

Harmful in contact with skin. Will cause redness, itching and irritation.

Eye

May cause eye irritation, tearing, stinging, blurred vision, and redness.

Chronic Effects

Prolonged or repeated skin contact may cause defatting leading to dermatitis.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Not available

Persistence / Degradability

Not available

Mobility

Not available

Environ. Protection Prevent this material entering waterways, drains and sewers.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations

The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations.

14. TRANSPORT INFORMATION

Transport Information**Australia:**

This material is classified as a Class 3 (Flammable Liquid) Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

Dangerous goods of Class 3 (Flammable Liquid) are incompatible in a placard load with any of the following:

- Class 1, Explosive
- Class 2.1, Flammable Gas, if both the Class 3 and Class 2.1 dangerous goods are in bulk
- Class 2.3, Toxic Gas
- Class 4.2, Spontaneously Combustible Substance
- Class 5.1, Oxidising Agent
- Class 5.2, Organic Peroxide
- Class 6.1, Toxic and Class 6.2 Infectious Substances, if the Class 3 dangerous goods are nitromethane
- Class 7, Radioactive Substance

New Zealand:

This material is classified as a Class 3 - Flammable Liquid according to NZS 5433:2007 Transport of Dangerous Goods on Land.

Must not be loaded in the same freight container or on the same vehicle with:

- Class 1, Explosives
- Class 2.1, Flammable gases
- Class 2.3, Toxic gases
- Class 4.2, Spontaneously combustible substances
- Class 5.1, Oxidising substances
- Class 5.2, Organic peroxides or
- Class 7, Radioactive materials unless specifically exempted.

Must not be loaded with in the same freight container; and on the same vehicle must be separated horizontally by at least 3 metres unless all but one are packed in separate freight containers with:

- Class 4.3, Dangerous when wet substances

Goods of packing group II or III may be loaded in the same freight container or on the same vehicle if transported in segregation devices with:

- Class 4.2, Spontaneously combustible substances
- Class 4.3, Dangerous when wet substances

- Class 5.1, Oxidising substances
- Class 5.2, Organic peroxides

U.N. Number

1866

Proper Shipping Name

RESIN SOLUTION

DG Class

3

Hazchem Code

•3Y

Packing Group

III

IERG Number

14

15. REGULATORY INFORMATION

Regulatory Information

Australia:

Classified as Hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC), Australia.

Classified as a Scheduled Poison S6 according to the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

Poisons Schedule

S6

National and or International Regulatory Information

New Zealand:

Classified as Hazardous according to the Hazardous Substances (Classification) Regulations 2001.

Group Standard:

Additives, Process Chemicals and Raw Materials (Flammable) Group Standard 2006

HSNO Approval Number: HSR002495.

Hazard Category

Harmful, Irritant, Flammable

16. OTHER INFORMATION

Date of preparation or last revision of MSDS

MSDS Reviewed: April 2009

Supersedes: May 2004

Contact Person/Point

Paul Verren For specialist advice in emergencies: Australia 1800 022 037; New Zealand 0800 154 666.

IMPORTANT ADVICE: This MSDS summarizes our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including its use in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact Nuplex Industries (Aust) Pty Ltd. Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.

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End of MSDS
