

Material Safety Data Sheet

SURECOTE 200 PRIMER/SEALER PART A

Infosafe ACPL8	Version	ISSUED	March	Status ISSUED
No.	No.	Date	2007	by NUPLEXIN

Classified as hazardous according to criteria of NOHSC

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name

SURECOTE 200 PRIMER/SEALER PART A

Product Code

B82058

Company Name

Nuplex Industries (Aust) Pty Ltd (ABN 25 000 045 572)

Address

49-61 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

Epoxy primer resin.

Other Names

Not Available

2. HAZARDS IDENTIFICATION

Hazard Classification

Australia:

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

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 New Zealand Standard NZS 5433:1999 Transport of Dangerous Goods on Land.

HSNO Classification:

3.1C - Flammable Liquid: Medium Hazard.

6.1D - Substance that is moderate acutely toxic.

6.3A - Substance that is irritating to the skin.

6.4A - Substance that is irritating to the eye.

6.5B - Substance that is a contact sensitiser.

- 6.8B - Substance that is a suspected human reproductive or developmental toxicant.
- 6.9B - Substance that is harmful to human target organs or systems.
- 9.1B - Substance that is ecotoxic in the aquatic environment.
- 9.3C - Substance that is harmful to terrestrial vertebrates.

Hazard statement codes:

- H226 Flammable liquid and vapour.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H320 Causes eye irritation.
- H332 Harmful if inhaled.
- H361 Suspected of damaging fertility or the unborn child.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H411 Toxic to aquatic life with long lasting effects.
- 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 equipment.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- P260 Do not breathe dust/fume/gas/mist/vapours/spray.
- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- P264 Wash thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P273 Avoid release to the environment. -This statement does not apply where this is the intended use.
- 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.
- P312 Call a POISON CENTER or doctor/physician if you feel unwell.
- P314 Get medical advice/attention if you feel unwell.
- P321 Specific treatment.
- P322 Specific measures.
- P331 Do NOT induce vomiting.
- P362 Take off contaminated clothing and wash before re-use.
- P363 Wash contaminated clothing before reuse.
- P391 Collect spillage.
- P302+P352 IF ON SKIN: Wash with plenty of soap and water.
- P304+P340 IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
- P308+P313 IF exposed or concerned: Get medical advice/ attention.
- P332+P313 If skin irritation occurs: Get medical advice/ attention.
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P370+P378 In case of fire: Use carbon dioxide, dry chemical or foam.
- P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Precautionary statement codes - Storage:

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

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.
- R43 May cause sensitization by skin contact.
- R20/21 Harmful by inhalation and in contact with skin.
- R36/38 Irritating to eyes and skin.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrase(s)

S38 In case of insufficient ventilation, wear suitable respiratory equipment.
S61 Avoid release to the environment. Refer to special instructions/safety data sheets.

S24/25 Avoid contact with skin and eyes.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Name	CAS	EINECS	Proportion
Epoxy resin	25068-38-6		60-90 %
Xylene	1330-20-7	215-535-10-30	%
		7	
1-Methoxy 2-propanol	107-98-2	203-539-10-30	%
		1	
Other ingredients determined not to be hazardous	-		(To 100%)

4. FIRST AID MEASURES

Inhalation

If inhaled, remove from contaminated area. Apply artificial respiration if not breathing. If symptoms develop seek medical attention.

Ingestion

If swallowed, do NOT induce vomiting. Wash mouth thoroughly with water. Seek immediate medical attention.

Skin

If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Ensure contaminated clothing is washed before re-use or discard. If irritation develops, seek medical attention.

Eye

If contact with the eye(s) occurs, wash with copious amounts of water holding eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. If symptoms persist seek medical attention.

First Aid Facilities

Eye wash station and normal washroom facilities.

Advice to Doctor

Treat symptomatically.

Other Information

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

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media

Use foam, carbon dioxide or dry chemical to extinguish fire.

Hazards from Combustion Products

Combustion products may include carbon monoxide and carbon dioxide.

Specific Hazards

Flammable liquid. Keep storage tanks, pipelines, fire exposed surfaces etc cool with water spray. Shut off any leak if safe to do so and remove sources of re-ignition. Vapour/air mixtures may ignite explosively. Flashback along the vapour trail may occur. Runoff to sewer may create fire hazard. Heating can cause expansion or decomposition leading to violent rupture of containers.

Hazchem Code

•3Y

Precautions in connection with Fire

Fire-fighters should wear full protective clothing and self contained breathing apparatus (SCBA) operated in positive pressure mode. Use water spray to cool storage containers and tanks, pipelines and fire-exposed surfaces.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures

Wear appropriate personal protective equipment and clothing to minimise exposure. Extinguish or remove all sources of ignition and stop leak if safe to do so. Increase ventilation. Evacuate all unnecessary personnel. If possible contain the spill. Place inert absorbent, non-combustible material onto spillage. Use clean non-sparking tools to collect the material and place into a suitable labelled container for subsequent disposal. Dispose of waste according to the Environmental Protection Authority (EPA), federal, state and local regulations. If the spillage enters the waterways contact the EPA, or your local Waste Management Authority.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Do not breathe vapour or spray. Use only in a well ventilated area. Prevent build up of mists or vapours in the working atmosphere. Do not use near welding or other ignition sources. Wear suitable protective clothing, gloves and eye/face protection. Maintain high standards of personal hygiene ie. wash hands after handling this material, and prior to eating, drinking, smoking or using toilet facilities.

Conditions for Safe Storage

Store in a cool, dry, well ventilated area away from sources of ignition, oxidising agents, foodstuffs, clothing and out of direct sunlight. 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. 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 Local, State and Federal regulations.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards

No value assigned for this specific material by the Australian National Occupational Health and Safety Commission (NOHSC) 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:

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

Substance TWA STEL

ppm mg/m³ ppm mg/m³

Xylene 80 350 150 655

1-Methoxy-2-propanol 100 369 150 553

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

Substance TWA STEL

ppm mg/m³ ppm mg/m³

Xylene 50 217 - -

1-Methoxy-2-propanol 100 369 150 553

Biological Limit Values

No biological limit allocated.

Other Exposure Information

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.

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 local exhaust ventilation system is required.

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 laminated film, nitrile or other suitable gloves conforming to AS/NZS 2161: Occupational protective gloves.

Body Protection

Wear appropriate clothing including chemical resistant apron where clothing is likely to be contaminated.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Clear, colourless, viscous liquid.

Odour

Aromatic hydrocarbon odour.

Melting Point

Not available

Boiling Point

124-145°C (Xylene)

Solubility in Water

Insoluble

Specific Gravity

0.960

pH Value

Not applicable

Vapour Pressure

5.2kPa @ 38°C (Xylene)

Vapour Density (Air=1)

3.7 (Air=1) (Xylene)

Evaporation Rate

0.70 (Butyl acetate=1) (Xylene)

Flash Point

27°C (TCC) (Xylene)

Flammability

Flammable liquid.

Auto-Ignition Temperature

Not available

Flammable Limits - Lower

1.1% (Xylene)

Flammable Limits - Upper

7.7% (Xylene)

10. STABILITY AND REACTIVITY

Chemical Stability

Stable under normal conditions of storage and handling.

Incompatible Materials

Strong oxidising agents.

Hazardous Reactions

Hazardous reaction with strong oxidising agents and halogens.

Hazardous Polymerization

Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicology Information

Not available

Inhalation

Harmful by inhalation. Symptoms may include adverse effects on the central nervous system, nausea, loss of coordination, drowsiness, dizziness and collapse.

Ingestion

May cause irritation of the gastrointestinal system. Symptoms may include central nervous system depression, severe abdominal pain, nausea and vomiting that may lead to pulmonary edema.

Skin

Harmful in contact with skin. Irritating to skin. Symptoms may include redness and itchiness. Repeated exposure may cause skin dryness and cracking, and may lead to dermatitis. May cause sensitisation by skin contact.

Eye

Irritating to eyes. Symptoms may include redness, tearing, stinging and swelling.

Chronic Effects

Prolonged or repeated exposure to xylene may have adverse effects on the central nervous system and cause damage to kidneys and liver.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Persistence / Degradability

Not available

Mobility

Not available

Bioaccumulative Potential

Not available

Environ. Protection Do not allow product to enter drains, waterways or sewers.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations

Disposal of the spilled or waste product must be done in accordance with applicable local and national regulations.

14. TRANSPORT INFORMATION

Transport Information**AUSTRALIA:**

This material is a Class 3 - Flammable Liquid according to The Australian Code for the Transport of Dangerous Goods by Road and Rail.

Class 3 - Flammable Liquids are incompatible in a placard load with any of the following:

- Class 1, Explosives
- Class 2.1, Flammable Gases, if both the Class 3 and Class 2.1 dangerous goods are in bulk
- Class 2.3, Toxic Gases
- Class 4.2 Spontaneously Combustible Substances
- Class 5.1 Oxidising Agents and Class 5.2, Organic Peroxides
- Class 6 Toxic Substances (where the flammable liquid is nitromethane)
- Class 7 Radioactive Substances.

NEW ZEALAND:

This material is classified as a Class 3 - Flammable Liquid according to NZS 5433:1999 Transport of Dangerous Goods on Land.

It 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.

It 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 (S5) according to the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

Poisons Schedule

S5

National and or International Regulatory Information

New Zealand:

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

Group Standard:

Surface Coatings and Colourants (Flammable) Group Standard 2006

HSNO Approval Number: HSR002662.

Hazard Category

Harmful, Irritant, Dangerous for the environment, Flammable, Sensitising

16. OTHER INFORMATION

Date of preparation or last revision of MSDS

MSDS Reviewed: March 2007

Supersedes: April 2002

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.

NUPLEX MSDS WARNING: Nuplex Group (Nuplex) is aware that third parties are distributing documents purporting to be MSDSs (or the like) in relation to Nuplex products without any authorisation from Nuplex (Unauthorised MSDS). Nuplex accepts no responsibility for the distribution of an Unauthorised MSDS by a third party. All Nuplex products must be used in accordance with the corresponding original MSDS authorised by Nuplex for use with that Nuplex product (Authorised MSDS). In the event a Nuplex product is used without the Authorised MSDS and/or with an Unauthorised MSDS, Nuplex hereby excludes absolutely and to the maximum extent permitted by law all liability whatsoever and howsoever arising for all loss and/or

damage including but not limited to for personal injury, sickness and death, damage to real property and chattels and direct and indirect consequential loss and loss of profits.

End of MSDS
