

Material Safety Data Sheet

SURECOTE 500 SUBFILL PART B RAPID

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				NUPLEXIN

Classified as hazardous according to criteria of NOHSC

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name

SURECOTE 500 SUBFILL PART B RAPID

Product Code

B84400

Company Name

FGI, division of Nuplex Industries (Aust) Pty Ltd. (ABN 25 000 045 572)

Address

14 Clearview Place, BROOKVALE, NSW 2100
New Zealand: Nuplex Industries Ltd., 12 Industry Rd, Penrose, Auckland

Emergency Tel.

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

Telephone/Fax Number

Tel: Australia: (02) 9939 1399; New Zealand: (09) 579 2029 Fax: Australia: (02) 9938 5826; New Zealand: (09) 525 1618

Recommended Use

Curing agent for epoxy resins.

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 Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001, New Zealand.
Classified as Dangerous Goods for transport, according to the NZS 5433:2007 Transport of Dangerous Goods on Land.

HSNO Classification:

6.1D - Substance that is acutely toxic (oral).
6.1E - Substance that is acutely toxic (inhalation).
6.5B - Substance that is a contact sensitiser.
8.2B - Substance that is corrosive to dermal tissue.

- 8.3A - Substance that is corrosive to ocular tissue.
- 9.1A - Substance that is very ecotoxic in the aquatic environment.
- 9.2C - Substance that is harmful in the soil environment.
- 9.3C - Substance that is harmful to terrestrial vertebrates.

Hazard Statement Codes:

- H302 Harmful if swallowed.
- H333 May be harmful if inhaled.
- H317 May cause an allergic skin reaction.
- H314 Causes severe skin burns and eye damage.
- H318 Causes serious eye damage.
- H410 Very toxic to aquatic life with long lasting effects.
- H423 Harmful to the soil environment.
- 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.
- P260 Do not breathe mist, vapours or spray.
- P264 Wash skin thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statement Codes- Response:**GENERAL:**

- 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.
- P391 Collect spillage.

INHALATION:

- P304+P340 IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
- P310 Immediately call a POISON CENTRE or doctor/physician.

INGESTION:

- P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P310 Immediately call a POISON CENTRE or doctor/physician.

SKIN:

- P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P310 Immediately call a POISON CENTRE or doctor/physician.
- P363 Wash contaminated clothing before reuse.

EYES:

- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310 Immediately call a POISON CENTRE or doctor/physician.

Precautionary Statement Codes - Storage:

- 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)

- R22 Harmful if swallowed.
- R34 Causes burns.
- R62 Possible risk of impaired fertility.
- R63 Possible risk of harm to the unborn child.
- R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrase(s)

- S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- S45 In case of accident or if you feel unwell seek medical advice immediately
- 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
Nonyl Phenol	84852-15-3	284-325-30-60	%
		5	
Trimethylhexamethylene diamine	25620-58-0	247-134-10-30	%
		8	
Benzene-1,3-dimethanamine	1477-55-0	216-032-10-30	%
		5	
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. Seek immediate medical attention.

Ingestion

Do NOT induce vomiting. Immediately wash out mouth and lips with copious amounts of water. Seek immediate medical attention.

Skin

If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Seek immediate medical attention.

Eye

If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Seek immediate medical attention.

First Aid Facilities

Eye wash station, safety shower 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

Water fog, water spray, dry chemical, alcohol foam or carbon dioxide.

Hazards from Combustion Products

Combustion may produce carbon dioxide, carbon monoxide, amines and oxides of nitrogen. Unidentified organic compounds may be formed during combustion.

Specific Hazards

Combustible liquid. This product will burn if exposed to fire.

Hazchem Code

2X

Decomposition Temp.

260°C

Precautions in connection with Fire

Fire-fighters should wear full protective clothing and self contained breathing apparatus (SCBA) operated in positive pressure mode. Water spray may be used to keep fire exposed containers cool.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures

Increase ventilation. Evacuate all unprotected personnel. Wear protective clothing and equipment to prevent exposure. If possible contain the spill. If necessary place inert absorbent onto material. Prevent run off into drains and waterways. Use clean non-sparking tools to collect the material and place into suitable, labelled containers. If contamination of sewers or waterways occurs inform the local water authorities and EPA in accordance with local regulations. Dispose of waste according to applicable local and national regulations.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Corrosive liquid. Attacks skin and eyes. May produce severe burns. Wear suitable protective clothing, gloves and eye/face protection when mixing and using. Use in designated areas with adequate ventilation. Avoid breathing in vapours, mist or fumes. Keep containers closed when not in use. Ensure a high level of personal hygiene is maintained when using this product, that is, always wash hands after handling, and 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. This product should be stored away from oxidising agents, acids and bases. Keep in closed containers. Product may partially freeze with extended exposure to cold temperatures. Product should be stored at temperatures above 5°C. For information on the design of the storeroom, reference should be made to Australian Standard AS 3780-1994 The storage and handling of corrosive substances. Reference should also be made to all applicable local and national regulations.

Storage Regulations

Classified as a Class C1 (COMBUSTIBLE LIQUID) for the purposes of storage and handling, in accordance with the requirements of AS1940. This product should be stored and used in a well ventilated area away from naked flames, sparks and other sources of ignition.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards

No exposure standards have been established for this material by the Australian National Occupational Health & Safety Commission (NOHSC) or the Occupational Safety and Health Service (OSH) of the New Zealand Department of Labour. However, exposure standards for ingredients are stated below:

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

Substance TWA STEL Notices

ppm mg/m³ ppm mg/m³

Benzene-1,3-dimethanamine - 0.1 (Peak limitation) Sk

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

Substance TWA STEL Notices

ppm mg/m³ ppm mg/m³

Benzene-1,3-dimethanamine - 0.1 (Ceiling) Sk

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.

Peak Limitation: A ceiling concentration which should not be exceeded over a measurement period which should be as short as possible but not exceeding 15 minutes.

Ceiling: A concentration that should not be exceeded during any part of the working day.

'Sk' Notice: Absorption through the skin may be a significant source of exposure. The exposure standard is invalidated if such contact should occur.

Biological Limit Values

No biological limit allocated.

Engineering Controls

Provide sufficient ventilation to keep airborne levels below the exposure limits. Where natural ventilation is inadequate, and vapours or mists are generated, a local exhaust ventilation system, drawing vapours/mists away from workers' breathing zone, should be used.

Respiratory Protection

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable vapour/mist 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, goggles or full-face shield as appropriate should be used. Final choice of appropriate eye/face protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

Hand Protection

Wear gloves of impervious material such as laminated film, PVC or nitrile gloves. 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. Industrial clothing should conform to the specifications detailed in AS/NZS 2919: Industrial clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Clear liquid with slightly ammoniacal odour.

Decomposition Temperature

260°C

Melting Point

Not available

Boiling Point

Not available

Solubility in Water

Insoluble

Specific Gravity

1.0

pH Value

Not available

Vapour Pressure

Not available

Vapour Density (Air=1)

>1

Evaporation Rate

Not available

Flash Point

112°C (PMCC)

Flammability

Combustible liquid.

Auto-Ignition Temperature

Not available

Flammable Limits - Lower

Not available

Flammable Limits - Upper

Not available

10. STABILITY AND REACTIVITY

Chemical Stability

Stable under normal conditions of storage and handling.

Incompatible Materials

Oxidizing agents, strong acids and reactive metals (i.e. sodium, calcium, zinc etc.).

N-Nitrosamines, many of which are known to be potent carcinogens may be formed when the product comes in contact with nitrous acid, nitrites or atmospheres with high nitrous oxide concentrations.

Hazardous Decomposition Products

Thermal decomposition may result in the release of toxic and/or irritating fumes and gases including carbon dioxide, carbon monoxide, amines and oxides of nitrogen.

Hazardous Polymerization

Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicology Information

Not available

Inhalation

Inhalation of mists or vapours will result in severe respiratory irritation and possible harmful corrosive effects including lesions of the nasal septum, pulmonary edema, pneumonitis and emphysema. Inhalation of aerosols and mists may severely damage contacted tissue and produce scarring.

Ingestion

Harmful if swallowed. Ingestion of this product may cause nausea, vomiting, abdominal pain and chemical burns to the mouth, throat and stomach.

Skin

Corrosive to skin. Skin contact will cause redness, severe burns with resultant tissue destruction.

Eye

Causes burns. Eye contact will cause stinging, blurring, tearing, severe pain and possible permanent corneal damage. Burns to the eye may cause blindness. Contact of undiluted product with the eyes or skin quickly causes severe irritation and pain and may cause burns, necrosis and permanent injury.

Chronic Effects

Possible risk of impaired fertility. Possible risk of harm to the unborn child. Repeated and/or prolonged exposure may result in adverse respiratory effects (such as cough, tightness of chest or shortness of breath), adverse eye effects (such as conjunctivitis or corneal damage) and adverse skin effects (such as rash, irritation or corrosion). Effects from inhalation of vapours may be delayed.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Very 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 discharge into drains, sewers or waterways.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations

Do not allow into drains or watercourses or dispose of where ground or surface waters may be affected. Wastes including emptied containers are controlled wastes and should be disposed of in accordance with all federal, E.P.A., state and local regulations. Assure conformity with all applicable regulations.

14. TRANSPORT INFORMATION

Transport Information**Australia:**

This material is classified as a Class 8 (Corrosive) Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. Dangerous goods of Class 8 (Corrosive) are incompatible in a placard load with any of the following:

- Class 1, Explosive
 - Class 4.3, Dangerous When Wet Substance
 - Class 5.1, Oxidising Agent
 - Class 5.2, Organic Peroxide
 - Class 6, Toxic and Infectious Substances, if the Class 6 dangerous goods are cyanides and the Class 8 dangerous goods are acids
 - Class 7, Radioactive Substance
- and are incompatible with food and food packaging in any quantity.

New Zealand:

This material is classified as a Class 8 - Corrosive Substance 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 5.1, Oxidising substances
- Class 5.2, Organic peroxides
- Class 7, Radioactive materials unless specifically exempted

And are incompatible with food and food packaging in any quantity.
Note 1; Cyanides (Class 6.1) must not be loaded in the same freight container or on the same vehicle with acids (Class 8).
Note 2; Strong acids must not be loaded in the same freight container or on the same vehicle with strong alkalis. Packing Group I and II acids and alkalis should be considered as strong.
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 4.3, Dangerous when wet substances
- Class 5.1, Oxidising substances
- Class 5.2, Organic peroxides

And are incompatible with food and food packaging in any quantity.

U.N. Number

1760

Proper Shipping Name

CORROSIVE LIQUID, N.O.S. - (CONTAINS NONYL PHENOL AND TRIMETHYLHEXAMETHYLENEDIAMINE)

DG Class

8

Hazchem Code

2X

Packing Group

III

IERG Number

37

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 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 Hazardous Substances (Classification) Regulations 2001.

All components of this product are listed on the New Zealand Inventory of Chemicals (NZIoC), or exempted.

Group Standard:

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

HSNO Approval Number

HSR002491

Hazard Category

Harmful, Corrosive, Dangerous for the environment, Toxic for reproduction fertility Category 3, Toxic for reproduction development Category 3

AICS (Australia)

All components of this product are listed on the Australian Inventory of Chemical Substances (AICS) or exempted.

16. OTHER INFORMATION

Date of preparation or last revision of MSDS

MSDS Reviewed: April 2010

Supersedes: April 2005

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
