

Material Safety Data Sheet

SURECOTE 200 FG (PART B)

Infosafe 1HLJC No.	Version No.	ISSUED Date	January 2010	Status ISSUED by ACOHS
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Classified as hazardous according to criteria of NOHSC

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name

SURECOTE 200 FG (PART B)

Product Code

B82065

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

Curing agent for epoxy resins - flooring, laminates, electrical applications.

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 New Zealand Standard NZS 5433:2007 Transport of Dangerous Goods on Land.

HSNO classification:

6.1D - Substance that is acutely toxic (Oral, Dermal)

6.5B - Substance that is a contact sensitiser

8.2C - Substance that is corrosive to dermal tissue

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

Hazard statement code:

- H302 Harmful if swallowed.
- H312 Harmful in contact with skin.
- H317 May cause an allergic skin reaction.
- H314 Causes severe skin burns and eye damage.
- H318 Causes serious eye damage.
- H412 Harmful to aquatic life with long lasting effects.
- H422 Toxic to the soil environment.
- H433 Harmful to terrestrial vertebrates.

Precautionary statement codes- prevention:

- P102 Keep out of reach of children.
- 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.
- P261 Avoid breathing fume/gas/mist/vapours/spray.
- P264 Wash hands and 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:

- 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.
- INHALATION**
- P304+P340 IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
 - P310 Immediately call a POISON CENTER or doctor/physician.
- INGESTION**
- P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
 - P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 - P310 Immediately call a POISON CENTER or doctor/physician.
- SKIN**
- 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.
 - P310 Immediately call a POISON CENTER or doctor/physician.
 - P363 Wash contaminated clothing before reuse.
- EYE**
- 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 CENTER or doctor/physician.
- OTHER**
- P391 Collect spillage.

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)

- R34 Causes burns.
- R43 May cause sensitization by skin contact.
- R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

Safety Phrase(s)

- S23 Do not breathe gas/fumes/vapour/spray
- S38 In case of insufficient ventilation, wear suitable respiratory equipment.
- 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
3-Aminomethyl-3,5,5-trimethyl cyclohexylamine	2855-13-2	220-666-8	50-100 %
Benzyl Alcohol	100-51-6	202-859-9	30-60 %
m-Xylene à,à'-diamine	1477-55-0	216-032-5	5-30 %

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. Wash out mouth thoroughly with water. Seek immediate medical attention.

Skin

Remove all contaminated clothing. Wash gently and thoroughly with water and non-abrasive soap for 15 minutes. Ensure contaminated clothing is washed before re-use or discard. Seek 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 fountain, 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

Use carbon dioxide, dry chemical, foam or water mist.

Hazards from Combustion Products

Under fire conditions this product may emit toxic and/or irritating fumes and gases including ammonia, volatile amines, oxides of nitrogen, carbon monoxide and carbon dioxide.

Specific Hazards

Combustible liquid. This product will readily burn under fire conditions.

Hazchem Code

2X

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

Wear appropriate personal protective equipment and clothing to prevent exposure. Corrosive liquid. Extinguish or remove all sources of ignition and stop leak if safe to do so. Increase ventilation. Evacuate all unprotected 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 suitable labelled containers for subsequent recycling or disposal. Dispose of waste according to the 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

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. Store away from oxidising agents and bases/acids. Keep containers closed when not in use, securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Provide a catch-tank in a bunded area. Store in original packages as approved by manufacturer. For information on the design of the storeroom, reference should be made to Australian Standard AS 3780-2008. The storage and handling of corrosive substances and Australian Standard AS1940 - The storage and handling of flammable and combustible liquids. Reference should also be made to all State and Federal regulations.

Storage Regulations

Classified as a Class C1 (COMBUSTIBLE LIQUID) for the purpose 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 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:

Substance TWA STEL Notices

ppm mg/m³ ppm mg/m³
m-Xylene a,a'-diamine - .01 (peak) - - Sk

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

Substance TWA STEL
ppm mg/m³ ppm mg/m³
m-Xylene a,a'-diamine - 0.1 (ceiling) - -

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 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, 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. 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

Amber liquid

Odour

Ammoniacal

Melting Point

Not applicable

Boiling Point

Not available

Solubility in Water

Insoluble

Specific Gravity

1.00 to 1.03

pH Value

Not available

Vapour Pressure

Not available

Vapour Density (Air=1)

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.

Conditions to Avoid

Heat and other ignition sources.

Incompatible Materials

Epoxies, strong acids, strong oxidising agents.

Hazardous Decomposition Products

Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including volatile amines, oxides of nitrogen, carbon monoxide, carbon dioxide and ammonia.

Hazardous Reactions

Reacts with incompatibles.

Hazardous Polymerization

Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicology Information

Not available

Inhalation

Harmful by inhalation. Inhalation of mists or vapours will result in respiratory irritation and possible harmful corrosive effects including lesions of the nasal septum, pulmonary edema, pneumonitis and emphysema.

Ingestion

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

Skin

Harmful in contact with skin. Will cause severe irritation and possible burns to the skin, which can result in redness, itchiness, pain and swelling. Repeated or prolonged contact may also lead to dermatitis. This product may cause sensitisation in some individuals.

Eye

Corrosive to eyes - contact can cause corneal burns. Contamination of eyes can result in permanent injury. Eye contact with vapour or liquid will cause stinging, blurring tearing, severe pain and possible permanent eye damage and blindness.

Chronic Effects

Not available

12. ECOLOGICAL INFORMATION

Ecotoxicity

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

Persistence / Degradability

Not available

Mobility

Not available

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

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 applicable local and national regulations.

14. TRANSPORT INFORMATION

Transport Information**Australia:**

This material is classified as a Class 8 (Corrosive Substances) Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

Class 8 Dangerous Goods are incompatible in a placard load with any of the following:

- Class 1, Explosives
 - Class 4.3, Dangerous When Wet Substances
 - Class 5.1, Oxidising Agents
 - Class 5.2, Organic Peroxides
 - 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 Substances
- 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 ISOPHORONE DIAMINE)

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 New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.

Group standard:

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

HSNO Approval Number: HSR002491.

Hazard Category

Harmful, Corrosive, Dangerous for the environment, Sensitising

AICS (Australia)

All components of this product are listed on the Australian Inventory of Chemical Substances (AICS), or otherwise are in compliance with the NICNAS requirements.

16. OTHER INFORMATION

Date of preparation or last revision of MSDS

MSDS Reviewed: January 2010.
Supersedes: February 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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