

Material Safety Data Sheet

SURECOTE 200 HS (PART A) (RANGE)

Infosafe 1HLNR **Version** **ISSUED** May 2010 **Status** ISSUED
No. **No.** **Date** by
NUPLEXIN

Classified as hazardous according to criteria of NOHSC

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name

SURECOTE 200 HS (PART A) (RANGE)

Product Code

Various

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

Concrete protection.

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 Liquid: Medium Hazard.

6.1D - Substance that is acutely toxic (oral).

6.1D - Substance that is acutely toxic (dermal).

- 6.1D - Substance that is acutely toxic (inhalation).
- 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 (oral).
- 6.9B - Substance that is harmful to human target organs or systems (inhalation).
- 9.1B - Substance that is toxic in the aquatic environment.

Hazard Statement Codes:

- H226 Flammable liquid and vapour.
- H302 Harmful if swallowed.
- H312 Harmful in contact with skin.
- H332 Harmful if inhaled.
- H315 Causes skin irritation.
- H320 Causes eye irritation.
- H317 May cause an allergic skin reaction.
- H361 Suspected of damaging fertility or the unborn child.
- H373 May cause damage to organs through prolonged or repeated exposure by swallowing.
- H373 May cause damage to organs through prolonged or repeated exposure by inhalation.
- H411 Toxic to aquatic life with long lasting effects.

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.
- 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 and hot surfaces. No smoking.
- P240 Ground/bond container and receiving equipment.
- P241 Use explosion-proof electrical, ventilating and lighting equipment.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- P260 Do not breathe dust, mist or vapours.
- P264 Wash hands thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- 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.
- P280 Wear protective gloves and eye 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.
- P308+P313 If exposed or concerned: Get medical advice/ attention.
- P391 Collect spillage.
- In case of fire: Use water spray, water fog, foam, carbon dioxide or dry chemical powder.

INGESTION:

- P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
- P330 Rinse mouth.
- P331 Do NOT induce vomiting.

INHALATION:

- P304+P340 IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
- P312 Call a POISON CENTER or doctor/physician if you feel unwell.
- P331 Do NOT induce vomiting.

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.
- P337+P313 If eye irritation persists: Get medical advice/attention.

SKIN:

- P302+P352 IF ON SKIN: Wash with plenty of soap and water.
- P312 Call a POISON CENTER or doctor/physician if you feel unwell.
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P303+P361+P353 IF ON CLOTHING: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes.
- P363 Wash contaminated clothing before reuse.

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.

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)

S16 Keep away from sources of ignition - No smoking.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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
Bisphenol A epoxy resin	25085-99-8		30-60 %
Silica, Crystalline	14808-60-7	238-878-4	30-60 %
Quartz		4	
Alkyl glycidyl ether	68609-97-2	271-846-8	5-15 %
Xylene	1330-20-7	215-535-7	1-10 %
Ingredients determined not to be hazardous.			(To 100%)

4. FIRST AID MEASURES

Inhalation

Remove the source of contamination or move the victim to fresh air. Ensure airways are clear. Keep at rest. If the affected person experiences nausea, headache, dizziness, difficulty in breathing seek immediate medical attention.

Ingestion

Do not induce vomiting. Immediately rinse mouth thoroughly with copious amounts of water. Seek medical attention.

Skin

Remove all contaminated clothing. Wash with copious amounts of water and soap. If irritation develops and persists seek medical attention.

Eye

If contact with the eyes occurs, wash with water for several minutes, holding eyelids open. Take care not to rinse contaminated water into the non-affected eye. Seek medical attention.

First Aid Facilities

Eye wash station, safety shower and normal washroom facilities.

Advice to Doctor

Treat symptomatically.

Other Information

For advice, contact the Poisons Information Centre (Australia 13 11 26; New Zealand 0800 POISON / 0800 764 766), or a doctor at once.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media

Water spray or fog, foam, carbon dioxide or dry chemical powder.

Hazards from Combustion Products

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

Specific Hazards

Flammable liquid and vapour. All potential sources of ignition (open flames, pilot lights, furnaces, spark producing switches and electrical equipment etc) must be eliminated both in and near the work area. Do NOT smoke. Vapour may travel a considerable distance to source of ignition and flash back. Heating can cause expansion or decomposition leading to violent rupture of containers. If safe to do so, remove containers from path of fire.

Hazchem Code

•3Y

Precautions in connection with Fire

Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) and full protective clothing to prevent exposure to vapours, fumes or products of combustion. Water spray may be used to cool down heat-exposed containers.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures

Wear appropriate personal protective equipment and clothing to prevent exposure. 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

Use with adequate ventilation. Wear appropriate protective clothing and equipment to prevent inhalation exposure, and skin and eye contact. Prevent the build-up of vapours or mists in the working atmosphere. Open containers cautiously as contents may be under pressure. Keep containers closed when not in use.

Conditions for Safe Storage

Store in a cool, dry, well-ventilated area. Store away from incompatible materials such as strong oxidising agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards

No exposure standards have been established for this material by the National Occupational Health & Safety Commission (NOHSC), Australia or the Occupational Safety and Health Service (OSH) of the New Zealand Department of Labour. However, over-exposure to some industrial chemicals may result in aggravation of pre-existing adverse medical conditions and/or allergic reactions and should be kept to the least possible levels.

The available exposure limits on the ingredients as assigned by both authorities, are as follows:

National Occupational Health And Safety Commission (NOHSC), Australia exposure standards:

Substance TWA STEL NOTICE

ppm mg/m³ ppm mg/m³

Xylene 80 350 150 655 -

Silica (quartz) - 0.1 - - -

New Zealand Occupational Safety and Health Service (OSH) Workplace exposure standards:

Substance TWA STEL

ppm mg/m³ ppm mg/m³

Xylene 50 217 - - -

Silica (quartz) - 0.1 - - -

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 concentrations below the exposure limits. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a local exhaust ventilation system should be used.

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 rubber or other suitable gloves conforming to AS/NZS 2161: Occupational protective gloves. Final choice of appropriate glove type will vary according to individual circumstances. This can include methods of handling, and engineering controls as determined by appropriate risk assessments.

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

Coloured viscous liquid.

Melting Point

Not available

Boiling Point

Not available

Solubility in Water

Insoluble

Specific Gravity

1.20-1.40

pH Value

Not applicable

Vapour Pressure

Not available

Colour

Depends upon the pigments used.

Flash Point

>27°C (Closed cup)

Flammability

Flammable liquid.

Auto-Ignition Temperature

Not available

Flammable Limits - Lower

1.1%

Flammable Limits - Upper

7.0%

10. STABILITY AND REACTIVITY

Chemical Stability

Stable under normal conditions of handling and storage.

Incompatible Materials

Strong oxidising agents, strong acids and strong bases.

Hazardous Decomposition Products

Carbon monoxide and carbon dioxide.

Hazardous Polymerization

Will not occur if uncontaminated; will occur with evolution of heat, if brought into contact with amines at elevated temperatures.

11. TOXICOLOGICAL INFORMATION

Toxicology Information

The available data for the ingredients are as follows:

For Xylene:

D50 (Oral, Rat): 4300 mg/kg

LC50 (Inhalation, Rat): 5000 ppm/4h

Inhalation

Inhalation of high concentrations of vapour or mist may cause pulmonary irritation, coughing, nausea and central nervous system depression.

Ingestion

Swallowing may result in nausea, vomiting and central nervous system depression. If the victim is uncoordinated there is a likelihood of vomit entering the lungs and causing subsequent complications, such as potentially lethal chemical pneumonitis.

Skin

Irritating in contact with skin. May also cause sensitisation by skin contact.

Eye

Will cause irritation in contact with the eyes, resulting in stinging, redness, excessive tearing and blurred vision.

Chronic Effects

Not available

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

Protection

13. DISPOSAL CONSIDERATIONS

Disposal Considerations

The spilled or waste material must be disposed of 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 5433:2007 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.

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

1993

Proper Shipping Name

FLAMMABLE LIQUID, N.O.S. - (CONTAINS XYLENE)

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 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.

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

Group Standard:

Surface Coatings and Colourants (Flammable) Group Standard 2006.

HSNO Approval Number

HSR002662.

Hazard Category

Irritant, Dangerous for the environment, Flammable, Sensitising

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: May 2010

Supersedes: June 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.

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
