

# Material Safety Data Sheet

MSDS North America / ANSI Z400.1\_USA / English



**Nanoseal® Wood**

**Issue Date: 01/11/06**

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## 1. Chemical, Product & Company Information

**Product Name:** Nanoseal® Wood

**Supplier:** Nanotec Pty Ltd  
Unit 9, 108 Old Pittwater Road  
Brookvale NSW 2100 Australia

Emergency Health Information: +61 2 9905 8111  
Emergency Spill: 1 (800) 424-9300  
Information: Chemtrec (USA)  
Other Product Information: +61 2 9905 8111  
e-mail: [nanotec@nanotec.com.au](mailto:nanotec@nanotec.com.au)

## 2. Composition, Information on Ingredients

| Name              | CAS #     | % by Weight | Exposure Limit   |
|-------------------|-----------|-------------|------------------|
| Water, deionised  | 7732-18-5 | >90         | None Established |
| Metal Oxides      | Listed    | <1          |                  |
| Metalloids        |           | <1          | N/A              |
| Active Components |           | <2          |                  |

## 3. Hazard Identification

Physical State: Liquid  
Colour: Colourless  
Emergency Overview: No special dangers admits  
No UN-number required  
Avoid contact with skin and eyes

### Potential Health Effects (see Toxicological Information – section 11)

Eyes: May cause mild eye irritation  
Skin: Unlikely to cause appreciable irritation even on repeated contact. Unlikely to absorb in harmful amounts. Prolonged contact cause mild irritation.  
Inhalation: Prolonged exposure can be mild irritating to eyes, nose and respiratory tract.  
Ingestion: May cause slight irritations to mucous membranes in mouth, throat, esophagus, and gastro-intestinal tract.

**Nanotec Pty Ltd (ABN 79 099 703 465)**

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## 4. First Aid Measures

|               |   |
|---------------|---|
| Eye Contact:  | In case of eye contact, immediately flush eyes with water for at least 15 minutes. Seek medical attention if irritation occurs. |
| Skin Contact: | In case of skin contact, flush skin with water.   |
| Inhalation:   | If inhaled, remove to fresh. Seek medical attention if symptoms appear.   |
| Ingestion:    | DO NOT induce vomiting unless directed by medical personnel. If swallowed in large volume, seek medical assistance immediately. |

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## 5. Fire Fighting Measures

|                                 |                |
|---------------------------------|----------------|
| Flammability of Product:        | Non-Flammable  |
| Auto ignition Temperature:      | Not Applicable |
| Flash Points Flammable Limits:  | Not Applicable |
| Products of Combustion:         | None           |
| Unusual Fire/Explosive Hazards: | Not Applicable |

Fire Fighting Media & Instructions: Use extinguishing media appropriate for surrounding fire.

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## 6. Accidental Release Measures

|                          |  |
|--------------------------|--|
| Small Spill and/or Leak: | Small quantities can be mopped or wiped up with rags. Add absorbent (soil may be used in the absence of other suitable materials). |
| Large Spill and/or Leak: | Large quantities should be directed to collecting basin or drain with dikes or swabs.  |

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## 7. Handling & Storage

|           |   |
|-----------|---|
| Handling: | Keep container closed   |
| Storage:  | Store out of direct sunlight.<br>Suitable for any general chemical storage area. Protect from freezing. Water is considered a non-regulated product, but may react vigorously with some specific materials. Avoid contact with all materials until investigation shows substance is compatible. |

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## 8. Exposure Controls, Personal Protection

|                       |  |
|-----------------------|--|
| Engineering Controls: | None required  |
| Personal Protection:  | Gloves. Safety Goggles                                     |
| Eyes:                 | Avoid contact with eyes. Wear chemical splash goggles      |
| Skin & Body:          | Avoid extended contact with skin                           |
| Respiratory:          | If used in a confined space use filter mask                |
| Hands:                | Wear gloves that cannot be penetrated by chemicals or oils |

## 9. Physical & Chemical Properties

|                                |                                     |
|--------------------------------|-------------------------------------|
| Physical State                 | Liquid                              |
| Odour                          | Nearly odourless                    |
| Colour                         | Colourless                          |
| Flash Point                    | > 66° (151°F) Not flammable         |
| PH                             | ~ 4.5-5.5                           |
| Boiling/Condensation           | 0°C (32°F) based on data of water   |
| Point Specific Gravity         | ~ 1.0 g/cm <sup>3</sup> (water = 1) |
| Vapour Pressure Vapour Density | Not Available                       |
| Odour Threshold                | Not Applicable                      |
| Evaporation Rate               | 1                                   |
| LogK..                         | Not Applicable                      |
| Dispersion                     |                                     |
| Solubility                     | Soluble in water                    |

## 10. Stability & Reactivity

|                         |   |
|-------------------------|---|
| Stability & Reactivity: | The product is stable   |
| Conditions to Avoid:    | Extreme temperatures – frost                                    |
| Incompatibility with:   | Strong Acids, Bases. Water reactive materials. Corrosive metals |

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## 11. Toxicological Information

|                    |                  |  |
|--------------------|------------------|--|
| Acute Toxicity:    | Not Applicable   |  |
| Chronic Toxicity:  | Not Applicable   |  |
| Other Information: | For water:       | LD50 Oral Rat: > 90 ml/Kg                                    |
|                    | Carcinogenicity: | CAS# 7732-18-5: Not listed by ACGIH, IARC, NTP or CA Prop 65 |

## 12. Ecological Information

|                        |                                    |
|------------------------|------------------------------------|
| Ecotoxicity:           | Practically non-toxic to organisms |
| Persistence Potential: | Product is biodegradable           |

## 13. Disposal Considerations

|                    |   |
|--------------------|---|
| Waste Information: | Waste must be disposed of in accordance with federal, state and local environmental control regulations |
|--------------------|---|

## 14. Transport Information

**The product is NOT classified as Dangerous Goods**  
**Hazard warning NOT required**

|                                  |                       |
|----------------------------------|-----------------------|
| DOT Classification               | Not Regulated         |
| Marine Pollutant                 | Not Pollutant         |
| Special Provisions for Transport | None                  |
| IMO/IMDG                         |                       |
| Classification                   | Non Hazardous         |
| Proper Shipping Name             | Not Applicable        |
| IMDG Class                       |                       |
| UN Number                        | No UN Number required |
| Packing Group                    |                       |
| Marine Pollutant                 |                       |
| ICAO/IATA                        |                       |
| Classification                   | Non Hazardous         |
| Proper Shipping Name             |                       |
| UN Number                        | No UN Number          |
| Packing Group                    |                       |

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## 15. Regulatory Information

US Regulations

US INVENTORY (TSCA): Listed on inventory

State Regulations:

Pennsylvania RTK:

Massachusetts RTK:

California prop. 65. No products were found

Other Regulations:

AUSTRALIAN INVENTORY (AICS): Listed on inventory

CANADA INVENTORY (DSL): Listed on inventory

CHINA INVENTORY (IECS): Listed on inventory

EC INVENTORY (EINECS/ELINCS): Listed on inventory

JAPAN INVENTORY (ENCS): Listed on inventory

KOREA INVENTORY (ECL): Listed on inventory

PHILIPPINE INVENTORY (PICCS): Listed on inventory

**Australian Hazchem Code:** No information found

## 16. Other Information

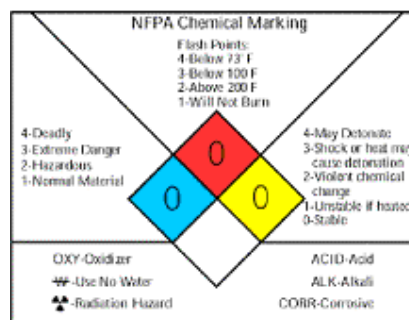
Label Requirements:

No special labelling required

Hazardous Material Information System (USA)

|                    |          |
|--------------------|----------|
| <b>HEALTH</b>      | <b>0</b> |
| <b>FIRE HAZARD</b> | <b>0</b> |
| <b>REACTIVITY</b>  | <b>0</b> |

National Fire Protection Association (USA)



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## 17. Disclaimer

The information in the MSDS is based on the present state of knowledge and current legislation. The information provides guidance on health, safety and environmental aspects. For further information about technical performance and application refer to the technical data sheet for this product. Although Nanotec has tried to make it as accurate as possible, we can take no responsibility for its use or misuse.

### **Notice to Reader**

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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