

# Material Safety Data Sheet

## NOVITHOR™ Termite Proof Resin

### Section 1 - IDENTIFICATION OF CHEMICAL PRODUCT AND COMPANY

This product is classified as Hazardous according to the criteria of NOHSC Australia.

Dangerous Goods according to the Australian Dangerous Goods (ADG) Code.

Ensystem Australia Pty Ltd  
Unit 3 The Junction Estate  
4 – 6 Junction Street  
AUBURN NSW 2144

Tel: 13 35 36

**Substance:** Mixture of siloxane, styrene acrylate polymer and hydrocarbon solvent.

**Trade Name:** NOVITHOR Termite Proof Resin

**Product Use:** A barrier system for the prevention of concealed termite entry.

**Creation Date:** 8 July 2011

**Reviewed on:** 8 July 2011

### Section 2 - HAZARDS IDENTIFICATION

#### Statement of Hazardous Nature

This product is classified as hazardous according to the criteria of NOHSC Australia.

Dangerous Goods according to the Australian Dangerous Goods (ADG) Code.

**Risk Phrases:** R10 Flammable.  
R20/21 Harmful by inhalation and in contact with skin.  
R38 Irritating to skin.

**Safety Phrases:** S16 Keep away from sources of ignition – No smoking.  
S2 Keep out of reach of children.  
S20/21 When using do not eat drink or smoke.  
S23 Do not breathe gas/fumes/vapour/spray.  
S24 Avoid contact with skin.

**SUSDP Classification:** Not classified.

**ADG Classification:** Class 3

**UN Number:** 1993

#### Emergency Overview

**Physical Description & colour:** Colourless liquid.

**Odour:** Aromatic.

#### Potential Health Effects

##### Inhalation:

**Short term exposure:** Available data indicates that this product is not harmful. In addition product is unlikely to cause any discomfort or irritation.

##### Skin Contact:

**Short term exposure:** This product may cause skin numbness but further symptoms are not available. Product may be irritating, but is unlikely to cause anything more than mild transient discomfort.

**Eye Contact:**

**Short term exposure:** This product may be irritating to eyes, but is unlikely to cause anything more than mild transient discomfort.

**Ingestion:**

**Short term exposure:** This product is unlikely to cause any irritation problems in the short or long term. May cause gastric upset.

See section 11 for Chronic exposure studies.

**Carcinogen Status:**

**NOHSC:** No significant ingredient is classified as carcinogenic by NOHSC.

**NTP:** No significant ingredient is classified as carcinogenic by NTP.

**IARC:** No significant ingredient is classified as carcinogenic by IARC.

### Section 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS No	Conc.
Xylene	1330-20-7	up to 70 %
Siloxane	63148-62-9	< 30%
Styrene acrylate polymer	25153-46-2	< 20%

### Section 4 - FIRST AID MEASURES

**General Information:**

You should call a doctor or hospital or the Poisons Information Centre if you feel that you may have been poisoned by this product. The number is 13 11 26 from anywhere in Australia and is available at all times.

**Inhalation:** If inhaled, remove affected person to fresh air. If in doubt, contact a Poisons Information Centre or a doctor.

**Ingestion:** Do not induce vomiting. Wash out mouth thoroughly with water. Do not swallow. If adverse symptoms develop, seek medical attention.

**Skin Contact:** If irritation occurs, wash with soap and gently flowing water for 5 minutes. If in doubt obtain medical advice.

**Eye Contact:** If in eyes, hold eyelids apart and flush the eyes continuously with running water for 15 minutes. Obtain medical advice if irritation becomes painful.

### Section 5 - FIRE FIGHTING MEASURES

**Fire and Explosion Hazards:** Flammable liquid. Keep containers cool. In the event of fire use water spray to cool containers. Ensure adequate ventilation. Prevent build-up of electrostatic charge (e.g. by grounding).

Under fire conditions this product may emit carbon monoxide. Will float and can be re-ignited on surface water.

Vapour is heavier than air and can spread along ground, distant ignition is possible.

Fire fighters should wear Self-Contained Breathing Apparatus operated in positive pressure mode and full protective clothing to prevent exposure to vapours.

**Extinguishing Media:** Carbon dioxide, dry powder, foam. Do not use water jet.

**Hazchem Code:** 3[Y]

### Section 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 local authorities in accordance with local regulations.

## Section 7 - HANDLING AND STORAGE

**Handling:** Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this MSDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.

**Storage:** Store in the closed original container in a dry, cool, well-ventilated area out of direct sunlight. Make sure that the product does not come into contact with substances listed under "Materials to avoid" in Section 10. Check packaging - there may be further storage instructions on the label.

## Section 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Industrial Clothing: **AS2919**, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

National Exposure Standards	STEL		TWA	
	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm
Xylene	655	150	350	80

**Biological Limit:** No biological limit allocated.

**Exposure Information:** No exposure standards have been established for this material by the National Occupational Health And Safety Commission (NOHSC). However, exposure standards for ingredients are stated above: As published by the National Occupational Health and Safety Commission NOHSC): 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 flameproof exhaust ventilation system is recommended. 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:** In areas of poor ventilation 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 gloves of impervious material such as PVC rubber 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 work wear, e.g. cotton overalls buttoned at neck and wrist are recommended. Industrial clothing should conform to the specifications detailed in AS/NZS 2919: Industrial clothing.

## Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical Description &amp; colour:</b>	Colourless liquid.
<b>Odour:</b>	Strong.
<b>Boiling Point</b>	138-144°C
<b>Specific Gravity</b>	0.9
<b>Vapour Pressure</b>	Approx. 7.99 mm Hg @ 25°C (Xylene)
<b>Volatile Component</b>	75% v/v
<b>Flash Point</b>	24°C (Closed Cup)
<b>Flammability</b>	Flammable liquid.
<b>Flammable Limits – Lower</b>	0.6 v/v
<b>Flammable Limits – Upper</b>	7% v/v

## Section 10 - STABILITY AND REACTIVITY

<b>Reactivity:</b>	This product is unlikely to react or decompose under normal storage conditions.
<b>Conditions to Avoid:</b>	Heat, store out of direct sunlight, open flames or other sources of ignition.
<b>Incompatibilities:</b>	Strong oxidising agents.
<b>Fire Decomposition:</b>	Thermal decomposition and combustion produce noxious fumes containing oxides of carbon.
<b>Polymerisation:</b>	This product is unlikely to undergo polymerisation processes.

## Section 11 - TOXICOLOGICAL INFORMATION

<b>Toxicology:</b>	SUBSTANCE NAME: Xylene	L
	C50 - Rat (Inhalation): 5000 ppm/4H	
	LD50 - Rat (Oral): 4300 mg/kg	
	LD50 - Rabbit (Skin): >1700 mg/kg	
<b>Chronic Effects:</b>	Repeated or prolonged exposure to this material can lead to skin irritation leading to dermatitis; liver and kidney damage, central nervous system depression, characterised by excitement, headache, dizziness, drowsiness, nausea and other effects as those of ingestion.	

## Section 12 - ECOLOGICAL INFORMATION

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

## Section 13 - DISPOSAL CONSIDERATIONS

**Disposal:** Disposal of spilled or waste material must be carried out in accordance with the relevant local and national government regulations. Advise flammable nature. Empty containers may contain flammable residues. Do not puncture, cut or weld empty containers.

## Section 14 - TRANSPORT INFORMATION

<b>ADG Code:</b>	Dangerous goods.
<b>Transport Information:</b>	This material is classified as Class 3 (Flammable Liquids) Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. Class 3 Dangerous Goods 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 Class 5.2, Organic Peroxides Class 6, Toxic and Infectious Substances, if the Class 3 dangerous goods are nitromethane Class 7, Radioactive Substances
<b>U.N. Number:</b>	1993
<b>Proper Shipping Name:</b>	FLAMMABLE LIQUID, N.O.S. - (CONTAINS: XYLENE)
<b>DG Class:</b>	3

**Hazchem Code:** 3[Y]  
**Packaging Method:** 3.8.3RT1  
**Packing Group:** III  
**EPG Number:** 3A1  
**IERG Number:** 14

### Section 15 - REGULATORY INFORMATION

**AICS:** All of the significant ingredients in this formulation are to be found in the public AICS Database.

**Poisons Schedule:** S6  
**Hazard Category:** Harmful, irritant

### Section 16 - OTHER INFORMATION

**This MSDS contains only safety-related information. For other data see product literature.**

**Acronyms:**

<b>ADG Code</b>	Australian Code for the Transport of Dangerous Goods by Road and Rail
<b>AICS</b>	Australian Inventory of Chemical Substances
<b>CAS number</b>	Chemical Abstracts Service Registry Number
<b>DG Class</b>	Dangerous Goods Class
<b>EPG number</b>	Environmental Protection Guidelines
<b>Hazchem Number</b>	Emergency action code of numbers and letters that provide information to emergency services especially fire-fighters
<b>IARC</b>	International Agency for Research on Cancer
<b>IERG number</b>	Illinois Environmental Regulatory Group
<b>NOHSC</b>	National Occupational Health and Safety Commission
<b>NOS</b>	Not otherwise specified
<b>R-Phrase</b>	Risk Phrase
<b>SUSDP</b>	Standard for the Uniform Scheduling of Drugs & Poisons
<b>UN Number</b>	United Nations Number

This MSDS summarises 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 must review this MSDS in the context of how the product will be handled and used in the workplace.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact Ensysnex so we can attempt to obtain additional information from our suppliers

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.

Please read all labels carefully before using product.