



# Material Safety Data Sheet

Infosafe No. LPT5B Issue Date : August 2004 ISSUED by PARCHEM

Product Name : DURAFLOOR N (NOVOLAC) TOPCOAT HARDENER

Classified as hazardous according to criteria of NOHSC

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

**Product Name** DURAFLOOR N (NOVOLAC) TOPCOAT HARDENER  
**Product Use** Hardener component of a roll coat for use in environments where high chemical resistance is required.  
**Company Name** Parchem Construction Products Pty Ltd (ABN 80 069 961 968)  
**Address** 7 Lucca Road Wyong  
NSW 2259 Australia  
**Emergency Tel.** 1800 638 556  
**Telephone Number/Fax** Tel: 02 4350 5000 Fax: 02 4351 2024  
**Other Information** This MSDS summaries at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace. Since Parchem Construction Products Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product in the workplace.  
If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company. Our responsibility for product as sold is subject to our standard term and conditions, a copy of which is sent to our customers and is also available upon request.  
  
www.parchem.com.au

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion
	Benzyl alcohol	100-51-6	30-60 %
	Isophoronediamine	2855-13-2	30-60 %
	Trimethylhexamethylenediamine	25620-58-0	10-30 %
	Other ingredients determined not to be hazardous		Balance

## 3. HAZARDS IDENTIFICATION

Classified as Hazardous according to the criteria of NOHSC.  
Classified as Dangerous Goods according to the ADG Code.  
**RISK PHRASES:**  
Harmful by inhalation, in contact with skin and if swallowed.  
Causes burns.  
May cause sensitization by skin contact.  
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
**SAFETY PHRASES:**  
Do not breathe gas/fumes/vapour/spray.  
Avoid contact with skin and eyes.  
Wear suitable protective clothing, gloves and eye/face protection.  
In case of accident or if you feel unwell seek medical advice immediately.  
**Medical Conditions Generally Aggravated by Exposure** Those suffering pre-existing pulmonary disorders should avoid inhaling vapours in confined spaces.

## 4. FIRST AID MEASURES

**Inhalation** Remove the source of contamination or move the victim to fresh air. Ensure airways are clear and have qualified person give oxygen through a face mask if breathing is difficult. If symptoms develop seek medical attention.  
**Ingestion** Do NOT induce vomiting. Wash out mouth with water. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.



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**Skin** If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Ensure contaminated clothing is washed before re-use or discard. If irritation develops, 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. Remove clothing if contaminated and wash skin. Seek immediate medical assistance.

**First Aid Facilities** Eye wash and normal washroom facilities.

**Advice to Doctor** Treat symptomatically.

**Other Information** For advice, contact a Poisons Information Centre (Phone eg Australia 131 126 or a doctor (at once).

## 5. FIRE FIGHTING MEASURES

**Extinguishing Media** Dry chemical, CO2 or foam. Do not use water jets.

**Specific Methods** Keep uninvolved containers cool with water spray. Contain run-off for later collection and controlled disposal.

**Specific Hazards** Combustible liquid. This product will burn if exposed to fire.

**Hazardous Combustion Products** Combustion products include oxides of carbon, oxides of nitrogen and ammonia gas.

**Protective Equipment** Fire fighters to wear Self-Contained Breathing Apparatus (S.C.B.A) and full protective clothing if risk of exposure to vapour or products of combustion to minimise skin exposure.

## 6. ACCIDENTAL RELEASE MEASURES

Remove all sources of ignition. Increase ventilation. Evacuate all unnecessary personnel. Slippery when spilt. Wear Self-Contained Breathing Apparatus (S.C.B.A) and full protective clothing to minimise skin and eye exposure, and inhalation of vapours. If possible contain the spill. Place inert absorbent such as vermiculite, sand or dirt onto material. Prevent run off into drains and waterways. Do not dilute material but contain. Mop up the remaining material and place into the same container. If large quantities of this material enter the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.

## 7. HANDLING AND STORAGE

**Handling** Use approved combustible liquid storage containers in the work area. Keep material away from sparks, flames and other ignition sources. Prevent release of vapours and mists into workplace air. Use smallest possible amounts in designated areas with adequate ventilation. Have emergency equipment (for fires, spills, leaks, etc.) readily available. Label containers. Keep containers closed when not in Use. Empty containers may contain residues which are hazardous. Ensure a high level of personal hygiene is maintained when using this product i.e. always wash hands before eating, drinking, smoking or using the toilet.

**Storage** Store in a cool, dry, well ventilated area away from sources of heat or ignition. This product should be stored away from foodstuffs and strong oxidising agents. Keep containers closed at all times - check regularly for leaks. For information on the design of the storeroom reference should be made to Australian Standard AS1940, The storage and handling of flammable and combustible liquids. Reference should also be made to any relevant Commonwealth, State or Territory regulations

## 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

**Exposure Limits** No exposure standards have been established for this material by the National Occupational Health & Safety Commission (NOHSC). However, air concentrations of components should be controlled as low as possible.

**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 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.



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<b>Eye Protection</b>	Safety glasses with side shields or goggles should be worn as described in Australian Standard AS/NZS 1337 - Eye Protectors for Industrial Applications. Final choice of appropriate eye/face protection will vary according to individual circumstances. This can include methods of handling, and engineering controls as determined by appropriate risk assessments.
<b>Hand Protection</b>	Wear gloves of impervious material conforming to AS/NZS 2161: Occupational protective gloves - Selection, use and maintenance. 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. Advice should be sought from appropriate glove manufacturers in order to ensure gloves are correct for application.
<b>Body Protection</b>	Suitable workwear should be worn to protect personal clothing, eg cotton overalls buttoned at neck and wrist. When large quantities are handled the use of plastic aprons and rubber boots is recommended.
<b>Eng. Controls</b>	Use in well ventilated areas. In confined spaces the use of local exhaust ventilation system is recommended. Air concentrations of components should be controlled as low as possible. Keep containers closed when not in use.
<b>Hygiene Measures</b>	Ensure a high level of personal hygiene is maintained when using this product. Always wash hands before eating, drinking, smoking or using the toilet.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Clear pale yellow/colourless liquid.
<b>Odour</b>	Characteristic amine odour.
<b>Boiling Point</b>	>200°C
<b>Solubility in Water</b>	Negligible.
<b>Specific Gravity (H<sub>2</sub>O=1)</b>	0.95
<b>Vapour Pressure</b>	0.15 mmHg (benzyl alcohol)
<b>Vapour Density (Air=1)</b>	Not available
<b>Flash Point</b>	95°C
<b>Flammability</b>	C1 Combustible liquid for the purpose of storage and handling- according to AS1940 - Storage and Handling of Flammable and Combustible Liquids.

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under normal conditions.
<b>Hazardous</b>	Will not occur.
<b>Polymerization</b>	
<b>Materials to Avoid</b>	Incompatible with acids, bases and strong oxidising substances.

## 11. TOXICOLOGICAL INFORMATION

<b>Toxicology Information</b>	No toxicity data is available for this specific product, however toxicity data found for constituents are stated below: Benzyl alcohol LD50 (oral, rat) 1,230 mg/kg LD50 (skin, rabbit) 2000mg/kg (Standard Draize Test:100mg/24H moderate reaction)
<b>Inhalation</b>	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.
<b>Ingestion</b>	Harmful if swallowed. Ingestion of this product may cause nausea, vomiting, abdominal pain and chemical burns to the mouth, throat and stomach.
<b>Skin</b>	Harmful in contact with skin. This product may cause sensitisation in some individuals. Skin contact will cause redness, itching, irritation, severe pain and chemical burns with resultant tissue destruction.
<b>Eye</b>	Causes burns. Eye contact will cause stinging, blurring, tearing, severe pain and possible permanent corneal damage.

## 12. ECOLOGICAL INFORMATION

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



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**Environ. Protection** Prevent this material entering waterways, drains and sewers.  
**Mobility** Not available.  
**Persistence / Degradability** Not available.  
**Bioaccumulation** Not available.  
**Ecotoxicity** Not available.

## 13. DISPOSAL CONSIDERATIONS

Disposal should be in accordance with the relevant local, state and federal government regulations.

## 14. TRANSPORT INFORMATION

This material is a Class 8 Corrosive Substance according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.  
Class 8 - Corrosive Substances 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 Substances (where the Toxic substances are cyanides and the corrosives are acids),  
- Class 7, Radioactive Substances  
and are incompatible with food and food packaging in any quantity.

**ADG U.N. Number** 2735  
**ADG Proper Shipping Name** AMINES, LIQUID, CORROSIVE, N.O.S. - (Contains: isophoronediamine and benzyl alcohol)  
**ADG DG Class** 8  
**ADG Hazchem Code** 3X  
**ADG Packaging Method** 5.9.8  
**ADG Packing Group** III  
**ADG EPG Number** 8A1  
**ADG IERG Number** 36

## 15. REGULATORY INFORMATION

**Risk Phrase** R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.  
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.  
**Safety Phrase** S23 Do not breathe gas/fumes/vapour/spray  
S24/25 Avoid contact with skin and eyes.  
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.  
S45 In case of accident or if you feel unwell seek medical advice immediately  
**Poisons Schedule** S5  
**Hazard Category** Harmful, Corrosive, Dangerous for the environment  
**AICS (Australia)** All components in this product are listed on AICS (Australian Inventory of Chemical Substances).

## 16. OTHER INFORMATION

**Contact Person/Point** Technical Support: 1800 812 864  
**SDS History** MSDS Creation: August 2004.  
...End Of MSDS...