

# Material Safety Data Sheet

## Danlaid DN-50

### Elastomeric Under Tile Membrane

The information contained within this MSDS details health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user of this product should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including 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 Danlaid Contracting Pty Ltd. Danlaid Contracting Pty Ltd makes no representation as to the completeness and accuracy of the data contained in this data sheet. It is the user's obligation to evaluate and use this product safely, and to comply with all relevant Federal, State and Local Government laws and regulations. Danlaid Contracting Pty Ltd shall not be responsible for loss, damage or injury resulting from reliance upon or failure to adhere to any recommendation or information contained herein, from abnormal use of the material, or any hazard inherent in the nature of the material.

#### STATEMENT OF HAZARDOUS NATURE

Not classified as hazardous according to criteria of Worksafe Australia.

#### COMPANY DETAILS

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#### IDENTIFICATION

Product Name : **Danlaid DN-50**  
Other Names : None  
Manufacturer's Product Code : DN-50  
UN Number : None assigned  
Dangerous Goods Class : None assigned  
Subsidiary Risk : None assigned  
Shipping Name : None assigned  
Hazchem Code : None assigned  
Poisons Schedule Number : None assigned

#### Use

Major recommended uses : Waterproof membrane

#### Physical Description / Properties

Appearance : Sky Blue thixotropic liquid/paste (other colours available)  
Boiling Point (°C) : 100°C approx. (water)  
Vapour Pressure : As for water  
Specific Gravity : 1.3kg/Litre  
Flashpoint (°C) : Not Applicable  
Flammability Limits : Not Applicable  
Solubility in Water : Completely Miscible

#### Other Properties

Evaporation Rate : Slower than butyl acetate  
Vapour Density : Heavier than air  
Form : Liquid  
Stability : Stable  
Hazardous Polymerisation : Will not occur  
Materials to avoid : Strong acids & oxidizing agents

## Ingredients

Chemical Name:	CAS Number:	Proportion:
Styrene-butadiene copolymer	-	40-70%
Sodium Hydroxide	1310-73-2	0 – 0.20%
Styrene	100-42-5	0 – 0.10%

\* Other ingredients determined not to be hazardous, including water, to 100%.

## HEALTH HAZARD INFORMATION

### Health Effects

#### Acute:

Swallowed	:	No data supplied; but polymer is not expected to be harmful.
Eye	:	May be an eye irritant
Skin	:	Prolonged or repeated contact with skin may result in slight skin irritation.
Inhaled	:	Excessive exposure to vapours or spray mist may cause slight irritation to eyes, nose and throat.

#### Chronic:

Swallowed	:	No data supplied; but polymer is not expected to be harmful.
Eye	:	Prolonged exposure may be an eye irritant
Skin	:	Prolonged exposure may result in slight skin irritation.
Inhaled	:	Prolonged exposure to vapours or spray mist may cause slight irritation to eyes, nose and throat.

### First Aid

Swallowed	:	Give plenty of water. Seek medical assistance. Decision on induction of vomiting to be made by qualified person.
Eye	:	Immediately flush with large amounts of water for at 5-10 minutes; lifting upper and lower lids. Seek medical attention if irritation persists.
Skin	:	Wash with water and soap. Seek medical attention if irritation persists.
Inhaled	:	If affected, move subject to fresh air. Seek medical assistance if symptoms persist.
First Aid Facilities	:	Ensure availability of eye wash fountains and/or water access.
Advice to Doctor	:	Treat symptomatically.

## PRECAUTIONS FOR USE

### Exposure Standards

As established by the NOHSC

Name:	STL:		TWA:	
	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm
Sodium Hydroxide	-	-	2	-
Styrene	426	100	213	50

\* Other Exposure information: Exposure standards not established for product, or other ingredients.

<b>Engineering Controls</b>	:	General ventilation is recommended during normal use. Local ventilation may be required during certain operations to prevent inhalation of vapours.
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### Personal Protection

Respirator Type (AS/NZS 1716)	:	Where concentrations in air may exceed the recommended exposure limits, or work practice or other means of exposure reduction are not adequate, approved respirator may be necessary to prevent overexposure by inhalation.
Glove Type	:	Neoprene/rubber gloves.
Eye Protection	:	Chemical worker's goggles.

Clothing	:	Protective clothing to cover body parts, e.g. long sleeved overalls or similar; and boots.
Other	:	Wash hands before smoking, eating, drinking or using the toilet and after finishing work. Observe the usual precautions when handling chemicals.

### Flammability

Fire Hazards	:	Product is non flammable according to the Australian Code for the Transport of Dangerous Goods; however dried film will burn in a general fire.
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## SAFE HANDLING INFORMATION

### Storage & Transport

Location	:	Store in a cool area to prolong storage life.
Temperature Conditions	:	Best stored at room temperature; Prevent from freezing.
Protection from Weather	:	Store undercover and away from heat sources and electric plant.
Storage Incompatibilities	:	Not applicable.

### Spills & Disposal

Clean Up Spills / Leaks	:	<i>Small spills:</i> Wipe up and wash area with water. <i>Large spills:</i> Dike and contain spill with sand or earth.  Do not contaminate streams, rivers, or water courses. Do not flush down drains and sewers. Inform local authority if liquid enters drains, sewers, streams, etc. Clean up before the material dries. Absorb the liquid with sand, earth or other absorbent. Place used absorbent in suitable, sealable labelled containers.
State / Territory Authority	:	Observe all Federal, State and Local regulations.
Precautions for Clean Up Crew	:	Nitrile rubber or PVC gloves.

### Fire / Explosion Hazard

Hazard of Use / Storage	:	Product will not support combustion. Polymer will burn in a general fire, once all the water has been driven off.
List of Dangerous Decomposition or Combustion Products	:	Carbon monoxide, carbon dioxide, oxides of nitrogen, fumes and smoke.
Types of Extinguisher	:	Water, Foam, CO <sub>2</sub> and Dry Chemical.
Precautions	:	Fire fighters should wear self-contained breathing apparatus.
Protective Clothing	:	None
Reactivity	:	None

## OTHER INFORMATION

Ecology	:	Avoid contaminating waterways and sewers.
Packaging & Labelling	:	In a variety of pail and drum sizes

## CONTACT POINT

Danlaid Contracting Pty Ltd	:	+61 (3) 8514-6300
Australia Poisons Information Centre	:	13 11 26
Police & Fire Brigade:	:	000