

# duroSET®

## MATERIAL SAFETY DATA SHEET

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 Waterproofing Systems Ltd. Waterproofing Systems 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 legislation. Waterproofing Systems 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 HSNO in New Zealand

### COMPANY DETAILS

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### IDENTIFICATION

Product Name	duroSET®.
Other Names	None.
Manufacturer's Product Code	duroSET®.
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.
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### PHYSICAL DESCRIPTION/PROPERTIES

Appearance	Beige thixotropic liquid/paste.
Boiling Point (°C)	100 °C approx. (water).
Vapour Pressure	As for water.
Specific Gravity	1.2kg/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 & oxidising 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 eye irritant.
Skin	Prolonged or repeated contact with skin may result in slight skin irritation.
Inhaled	Prolonged 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.
Eye	Immediately flush with large amounts of water for at least 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 fountain 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	-	-	-	-
Styrene	426	100	213	50

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

### ENGINEERING CONTROLS

General ventilation is recommended during normal use. Local ventilation may be required during certain operations to prevent inhalation of vapours.

### PERSONAL PROTECTION

Respirator Type (AS/NZS 1716)	Where concentrations in air may exceed the recommended exposure limits, or work practise 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	Safety glasses are appropriate.
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 other 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	Small spills: Wipe up and wash area with water. Large spills: 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.
Disposal	Dispose of in accordance with Local, State and Federal 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 of Combustion Products	Carbon monoxide, carbon dioxide, oxides of nitrogen, fumes and smoke.
Types of Extinguisher	Water, foam, CO <sub>2</sub> , and dry chemicals.
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 20 litre pails or 200 litre drums.

## CONTACT POINT

Waterproofing Systems Ltd Technical Department	06 357 9148
National Poisons Information Centre	0800 764 766
Police & Fire Brigade	111