

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

Company	Waterproofing Systems Ltd
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IDENTIFICATION

Product Name	duroFIX®.
Other Names	None.
Manufacturer's Product Code	duroFIX®.
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	Tile adhesive.
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PHYSICAL DESCRIPTION/PROPERTIES

Appearance	Off white/light grey powder.
Boiling Point (°C)	Not applicable.
Vapour Pressure	Not applicable.
Specific Gravity	1.25
Flashpoint (°C)	Not applicable.
Solubility in Water	Not applicable.

OTHER PROPERTIES

Vapour Density	Not applicable.
Form	Sand/cement blend.
Stability	Considered stable.
Hazardous Decomposition Products	Not applicable
Hazardous Polymerisation	Will not occur.
Materials to Avoid	Not applicable.

INGREDIENTS

Chemical Name:	CAS Number:	Proportion
Portland cement	65997-15-1	Medium 10-20%
Washed sand	-	High 20-40%

* Other ingredients determined not to be hazardous to 100%.

HEALTH HAZARD INFORMATION

HEALTH EFFECTS	Sand & cement contains Portland Cement (May contain crystalline silica).
<i>Acute</i>	
Swallowed	May cause nausea, stomach cramps and is mildly abrasive and corrosive and may cause constipation.
Eyes & Skin	Wet sand & cement is irritating and corrosive to the eyes and skin and may cause skin sensitisation (dermatitis). Cement dust is irritating to the eyes, skin and respiratory system.
Inhaled	Repeated inhalation of the dust may cause bronchitis, silicosis and lung cancer.
<i>Chronic</i>	Some Portland cement product may contain crystalline silica. Crystalline silica following repeated exposures has caused silicosis (scarring of the lung) and increased the risk of bronchitis and lung cancer. The International Agency for Research on Cancer (IARC) has evaluated crystalline silica and concluded: a) there is sufficient evidence for the carcinogenicity of crystalline silica to experimental animals, and b) there is limited evidence for the carcinogenicity of crystalline silica to humans. The IARC evaluated crystalline silica as "probably carcinogenic to humans - Group 2A".

FIRST AID

Swallowed	Rinse mouth out with water or milk. DO NOT GIVE carbonated drinks. Do NOT induce vomiting; Seek medical attention if required.
Eye	Flush eyes with tepid running water, removing foreign bodies if any, for at least 15 minutes. Seek medical advice if symptoms persist.
Skin	Wash with water and soap. Seek medical attention if irritation persists.
Inhaled	If affected, move subject from area. Keep at rest. 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	Threshold limit value, TLV, is 2mg/m ³ for inspirable nuisance dust load. Avoid contact with eyes and skin from both wet and dry sand & cement. Avoid breathing dust.
ENGINEERING CONTROLS	General ventilation is recommended during normal use. Local ventilation may be required during certain operations to prevent inhalation of dust.
PERSONAL PROTECTION	
Respirator Type (AS/NZS 1716)	To be used when exposed to dust.
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 after finishing work. Observe the usual precautions when handling chemicals.
FLAMMABILITY	
Fire Hazards	Product is non flammable.

SAFE HANDLING INFORMATION

STORAGE & TRANSPORT

Location	Storage of open bags will effectively reduce the quality of the product over time. Transported as non dangerous goods.
Temperature Conditions	Best stored at room temperature.
Protection from Weather	Keep dry at all times. Store undercover and away from heat sources.
Storage Incompatibilities	Not applicable.

SPILLS & DISPOSAL

Clean up Spills/Leaks	Spills may be cleaned up by any dry method such as broom, shovel or vacuum device, with care taken to minimise evolution of dust into the environment.
Disposal	Dispose of in accordance with Local, State and Federal regulations.
Precautions for Clean Up Crew	No special precautions are required.

FIRE/EXPLOSION HAZARD

Hazard of Use/Storage	None
List of Dangerous Decomposition of Combustion Products	None
Types of Extinguisher	CO ₂ , 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 20kg bags..

CONTACT POINT

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National Poisons Information Centre	0800 764 766
Police & Fire Brigade	111