

# D-SCALE

**D-Scale is a phosphoric acid cleaner which has been blended with surfactants for a deeper and better clean.**

## FEATURES

- Removes cement, mortar, grout haze and other cementitious deposits.
- Dissolves soap scum and hard water deposits.
- Softens and removes efflorescence.
- Low foaming formula for machine use.
- Biodegradable.

## TECHNICAL INFORMATION

**Physical State**.....Non-viscous liquid

**Odour**.....Characteristic odour

**Boiling Point**.....Approximately 100 °C

**Flash Point**.....Not flammable

**Water Solubility**....Miscible in all proportions

**VOC**.....~2 % v/v

**Storage**.....None allocated

**Colour**.....Straw

**Specific Gravity**.....1.08 – 1.12 @ 25 °C

**Freezing Point**.....Approximately 0 °C

**Flammable Limits**...None

**pH**.....<1.5 neat

**Per Cent Volatile**....~85 % v/v

### Suitable for:

Most tile, grout and masonry, internal or external  
Suitable for unsealed surfaces that are not acid sensitive.  
Machine or general cleaning equipment

### Preparation:

- Always test D-Scale on a small area first for suitability.
- Pour small amount of D-Scale on an inconspicuous area and leave for several minutes.
- Rinse, dry and check for etching or any surface damage.
- Sweep or vacuum area to remove all dirt and loose debris.
- Remove or cover any acid sensitive surrounds
- PPE is essential

### Application:

- With a microfibre or lambswool applicator, rag, sponge or mop apply solution to the surface.
- Leave solution to dwell for several minutes.
- Use a scrubbing brush, stiff broom or floor washing machine to agitate solution.
- Ensure D-Scale never dries on surface.
- Remove residue with water, mop or wet vacuum.
- Neutralize area with Natural Clean and water at about 2 capfuls to 10 litres of water.
- This will stop future etching or residue forming.

### Dilution:

For light soiling or grout haze use 1 litre of D-Scale to 9 litres of water.  
For stubborn heavy cement, efflorescence or grout use 1 litre of D-Scale to 4 litres of water.  
Reduce amount of water for increased effectiveness and can be adjusted to be used neat.  
Note: the more product used the more rinsing and neutralizing will have to be employed.  
Never let the solution dry on the surface.

### Maintenance details:

See the General Cleaning Guidelines For All Surfaces Technical Data Sheet on [solutionssealers.com.au](http://solutionssealers.com.au)

### Shelf life:

2 years from purchase in an unopened container – test contents after this time.

### Packaging:

1lt, 5lt, 20lt

# D-SCALE

## PRECAUTIONS/LIMITATIONS:

- Testing is essential.
- D-Scale is an acidic cleaner which can etch and damage some surfaces.
- Not suitable for use on some granites, bluestone, basalt, other volcanic stone, limestone, marble, polished stone and some glazed surfaces.
- Always remove solution before product dries on surface.
- Always neutralize stone surface with Natural Clean after application of D-Scale.
- Will burn exposed skin
- Will etch alloys and other metal surfaces
- Will mark brushed metal surfaces

## SAFETY INFORMATION

Refer to safety data sheet for full details.  
Available on [www.solutionssealers.com](http://www.solutionssealers.com)

## DISCLAIMER

This product is warranted to be free of defects in material and workmanship. This product is manufactured in accordance with Solutions Sealers quality control standards. All technical data, manuals, statements and suggestions are based on in house & field testing. All information obtained herein is believed to be true & correct but accuracy and completeness of the said tests are not guaranteed and or not to be construed as a warranty or guarantee of any kind, expressed or implied including but not limited to, an implied warranty of merchantability or an implied warranty of fitness for a particular purpose. Satisfactory results depend on many factors that are beyond Solutions Sealers control.

Ingredients	CAS Number	Proportion
Orthophosphoric acid	7664-38-2	10 - 30% w/w
Alcohol Ethoxylates	68439-46-3	< 10 % w/w
Propylene glycol monomethyl ether	107-98-2	< 10 % w/w
Ingredients determined to be non-hazardous at concentrations present.	various	To 100 % w/w

Exposure limits	
	National Occupational Exposure Limits, as published by National Occupational Health & Safety Commission:
	<b>Time-weighted Average (TWA):</b> None established for product. <ul style="list-style-type: none"> <li>• Phosphoric acid: 1 mg/m<sup>3</sup></li> <li>• Propylene glycol monomethyl ether: 100ppm, 369 mg/m<sup>3</sup></li> </ul>
	<b>Short Term Exposure Limit (STEL):</b> None established for product. <ul style="list-style-type: none"> <li>• Phosphoric acid: 3 mg/m<sup>3</sup></li> <li>• Propylene glycol monomethyl ether: 150 ppm, 553 mg/m<sup>3</sup></li> </ul>

## Transport Information

Labels Required	
ADG	Not classified as Dangerous Goods.
IMDG Marine Pollutant	No
HAZCHEM	None allocated.

## Regulatory Information

GHS Classification	Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.
SUSMP	S5 (PHOSPHORIC ACID)
ADG Code	Not DG
AICIS	All ingredients present on AICS.

