

Professional Range

# D-Scale Rapid

## Lime scale and uric crystal remover

In compliance with Chip 4 and ACOP, Compilation of Data Sheets 4th Edition, this information is provided to help inform Risk Assessments. Its contents cannot be considered to be a risk assessment under Management of Health and Safety or other such regulations. Risk assessments require consideration of other information related to the precise circumstances and situation or preparation to be used. Such information is not available to the supplier/compiler of this data.

	<b>SECTION 1</b>	<b>PRODUCT IDENTIFICATION</b>																											
	Product name	D-Scale Rapid																											
	Product use	De-scaling agent																											
	<b>SECTION 2</b>	<b>HAZARDS IDENTIFICATION</b>																											
	Classification 1272/2008/EC	<table border="0"> <tr> <td data-bbox="651 949 893 972">Physical and Chemical Hazards</td> <td data-bbox="938 949 1043 972">Not classified</td> </tr> <tr> <td data-bbox="651 976 759 999">Human health</td> <td data-bbox="938 976 1085 999">Skin Corr.1A; H314</td> </tr> <tr> <td data-bbox="651 1003 750 1025">Environment</td> <td data-bbox="938 1003 1043 1025">Not classified</td> </tr> <tr> <td data-bbox="651 1030 807 1052">Signal word: Danger</td> <td data-bbox="938 1030 1091 1052">Contains: Nitric acid</td> </tr> <tr> <td data-bbox="651 1057 695 1079">H314</td> <td data-bbox="842 1057 1174 1079">Causes severe skin burns and eye damage.</td> </tr> <tr> <td data-bbox="651 1084 695 1106">P405</td> <td data-bbox="842 1084 967 1106">Store locked up.</td> </tr> <tr> <td data-bbox="651 1111 695 1133">P260</td> <td data-bbox="842 1111 1011 1133">Do not breathe fumes.</td> </tr> <tr> <td data-bbox="651 1137 695 1160">P280</td> <td data-bbox="842 1137 1388 1160">Wear protective gloves/protective clothing/eye protection/face protection.</td> </tr> <tr> <td data-bbox="651 1164 769 1187">P305+351+338</td> <td data-bbox="842 1164 1426 1187">IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</td> </tr> <tr> <td data-bbox="651 1191 769 1214">P301+330+331</td> <td data-bbox="842 1191 1267 1214">IF SWALLOWED: Rinse mouth. Do not induce vomiting.</td> </tr> <tr> <td data-bbox="651 1218 769 1240">P303+361+353</td> <td data-bbox="842 1218 1481 1240">IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water.</td> </tr> <tr> <td data-bbox="651 1245 769 1267">P310</td> <td data-bbox="842 1245 1187 1267">Immediately call a POISON CENTRE/Doctor.</td> </tr> <tr> <td data-bbox="651 1272 695 1294">P501</td> <td data-bbox="842 1272 1267 1294">Dispose of in accordance with local/national regulations.</td> </tr> </table>		Physical and Chemical Hazards	Not classified	Human health	Skin Corr.1A; H314	Environment	Not classified	Signal word: Danger	Contains: Nitric acid	H314	Causes severe skin burns and eye damage.	P405	Store locked up.	P260	Do not breathe fumes.	P280	Wear protective gloves/protective clothing/eye protection/face protection.	P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.	P301+330+331	IF SWALLOWED: Rinse mouth. Do not induce vomiting.	P303+361+353	IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water.	P310	Immediately call a POISON CENTRE/Doctor.	P501	Dispose of in accordance with local/national regulations.
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	<b>SECTION 3</b>	<b>COMPOSITION/INFORMATION ON INGREDIENTS</b>																											
	Hazardous components	Related Information																											
	Chemical Name(s)	% (w/w) CAS no.	Classification																										
	Nitric acid	30-60 7697-37-2	Ox. Liq.3; Skin Corr. 1A																										
	Phosphoric acid	1-5 7664-38-2	Skin Corr.1A																										
	<b>SECTION 4</b>	<b>FIRST AID MEASURES</b>																											
	Contact with	Rinse immediately with plenty of water and seek immediate medical advice.																											
	Skin	Flush with water for 15 minutes. Seek immediate medical advice from an eye specialist.																											
	Eyes	Wash out mouth with water. Do not induce vomiting. Give plenty of water to drink. Seek immediate medical advice.																											
	Ingestion	Remove to fresh air and seek medical advice.																											
	Inhalation																												
	<b>SECTION 5</b>	<b>FIRE FIGHTING MEASURES</b>																											
	Extinguishing media	Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.																											
	Special procedures	Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.																											
	<b>SECTION 6</b>	<b>ACCIDENTAL RELEASE MEASURES</b>																											
	Clean-up procedures	Wear appropriate protective clothing – see Section 8. Mark out the contaminated area with signs and keep unauthorised personnel out. Absorb into dry earth or sand; neutralise with sodium carbonate (soda ash) or sodium bicarbonate (baking soda) if possible. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Do not discharge into drains or rivers; inform police and fire brigade if this cannot be prevented.																											

**SECTION 7**

Handling

Storage

**HANDLING AND STORAGE**

Avoid direct contact with the substance. Do not mix with other chemicals. If diluting, add product TO water, NEVER add water to the product (to avoid a violent reaction with evolution of heat).  
Store in a cool, well ventilated area. Keep container tightly closed.

**SECTION 8**

Hazardous components

Chemical name

Nitric acid

Phosphoric acid

Engineering measures

Respiratory protection

Hand protection

Eye protection

Skin protection

**EXPOSURE CONTROLS/ PERSONAL PROTECTION**

Workplace exposure limits (WELs)

8 hour TWA

15 min STEL

-

2.6 mg m-3

-

1 mg m-3

2 mg m-3

Ensure there is sufficient ventilation of the area.

Respiratory protection may be required if handling in a confined space with no ventilation, in which case use respirators fitted with type E-P2 filters.

Fluorinated or butyl rubber gloves; check with glove manufacturer for specific advice.

Wear safety glasses or goggles and face shield. Ensure eye bath is to hand.

Acid-resistant protective overalls. PVC apron.

**SECTION 9**

State: Liquid

pH: 1.0

**PHYSICAL AND CHEMICAL PROPERTIES**

Colour: Colourless to straw

Odour: Characteristic

Solubility in water: Miscible

SG: 1.23-1.25

**SECTION 10**

Stability

Conditions to avoid

Materials to avoid

Decomposition products

**STABILITY AND REACTIVITY**

Stable under normal conditions.

Heat.

Strong bases. Strong oxidising agents. Metals.

Nitric oxides.

**SECTION 11**

Chronic toxicity:

Routes of exposure:

**TOXICOLOGICAL INFORMATION**

Causes severe skin burns. Very irritating to eyes. May cause corneal burns and permanent damage. Danger of very serious irreversible effects if swallowed.

Skin. Eyes. Ingestion.

**SECTION 12**

Persistence and degradability:

**ECOLOGICAL INFORMATION**

Contains inorganic substances which are not biodegradable. Lowering of pH below 5 in water courses will in duce fatalities in aquatic life.

**SECTION 13**

Disposal operations

**DISPOSAL CONSIDERATIONS**

Contact licensed waste disposal company. Treat as controlled waste.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**SECTION 14**

UN no: 1796

Shipping name:

**TRANSPORT INFORMATION**

Class: 8

PG: II

Labelling: 8

Hazard ID no: 80

NITRATING ACID, MIXTURE CONTAINING &lt;50% NITRIC ACID      Tariff Number: 34029090

**SECTION 15**

Regulatory references:

**REGULATORY INFORMATION**

Regulations (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. Regulation EU 453/2010 amending Regulation (EC) No 1907/2006.

**SECTION 16****OTHER INFORMATION**

N.B. This SDS gives a summary of the product's classification and hazards under the CLP Regulations, the full version is available from the office.

Always use in accordance with manufacturer's directions.

Dated 05/11/14

CLP/Rev.1

