

CHEMISPHERE UK Ltd

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1 Identification of the substance/preparation and company

NAME:

RENOVATE® DESCALANT

Manufactured by: CHEMISPHERE UK Ltd [above]

Emergency Tel No: 0800 018 8062(UK) / 00 44 1536 518 062

2 Composition/information on ingredients

<u>Ingredient</u>	<u>%(w/w)</u>	<u>Classification</u>	<u>Risk</u>
Hydrochloric Acid	10% - 25%	C;R34 R37	Causes burns Irritating to the respiratory system

3 Hazards information

Causes burns in cases of contact with skin, eyes, respiratory and digestive systems.

Contact with some alkalis liberates toxic gas.

4 First-aid measures

<u>Route of exposure</u>	<u>Symptom</u>	<u>Treatment</u>
Inhalation	Irritation of airways	Remove from exposure. In severe cases, or if recovery is not rapid or complete, <i>seek medical attention.</i>
Skin contact	Irritation	Drench the skin with plenty of water. Remove contaminated clothing and wash before re-use. If large areas of the skin is damaged or if irritation persists, seek medical attention.
Eye contact	Pain, reddening, watering, irritation	Irrigate thoroughly with water for at least 10 minutes. <i>Seek medical attention.</i>
Ingestion	Burns to or blistering of the gastronomic tract	Wash out mouth with water. Do <i>not</i> induce vomiting. Give plenty of water to drink. <i>Seek medical attention.</i>

Materials to avoid Contact with oxidising agents could liberate toxic gas (chlorine). Do not mix with other chemicals or cleaning preparations.

Hazardous decomposition products None known.

11 Toxicological information

Inhalation May result in burns to the respiratory tract.
Skin contact May result in severe irritation or even burns.
Eye contact May result in burns, causing permanent eye damage.
Ingestion May result in damage to the gastrointestinal tract.

12 Ecological information

Mobility Soluble in water. Will readily percolate through soil.
Degradability Not biodegradable; but degradable by dilution and will neutralise with time.
Accumulation No evidence of bioaccumulation.
Environmental effects The low pH of the *undiluted* product may cause a danger to insects, plants, animals and aquatic life.

13 Disposal considerations

Material Undiluted material must be disposed of in accordance with local authority regulations. Dilute material can be run off to drain.
Container Empty containers should be rinsed out thoroughly prior to disposal.

14 Transport information

U N No 1789
Shipping name Hydrochloric acid solution.
Shipping class 8
Hazard classification Corrosive.
Packing group III
H I No 80
Emergency action 2R

15 Regulatory information

Classification Irritant.
Risk phrases R36/37/38 Irritating to eyes, respiratory system and skin.
Safety phrases S1/2 Keep locked up and out of reach of children.
 S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 S28 After contact with skin, wash immediately with plenty of water and seek medical advice.
 S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
 S46 If swallowed, seek urgent medical attention and show this data sheet or the container label to the medical attendant.
 S50 Do not mix with other chemicals, especially alkalis; the resulting gas is likely to be toxic, e.g. chlorine.
*If exposed to the fumes of such an accident, remove well away from scene of accident, preferably to fresh air. Induce or encourage deep breathing,, which might be uncomfortable or difficult. **Seek urgent medical attention.***

16 Other information

Recommended uses & restrictions RENOVATE™ DESCALANT is recommended for use as a commercial strength descalant with commercial catering equipment, plumbing systems, boilers, dishwashing machines, glasswashing machines, ice making machines, etc. It is recommended that RENOVATE™ DESCALANT only be used by competent or qualified personnel.

Do not use either the undiluted or diluted product as a spray.

Do not use in any other application than that which is suggested or declared on the label or product brochure.

Training advice Since major performance and safety benefits can be derived from correctly using the product, it is recommended that operatives are properly trained on the handling and use of the product. Training literature and advice is available via the manufacture - Chemisphere UK Ltd - or the relevant regional main agent.

Disclaimer: The above information is based on the state of our knowledge of the product at the time of publication. It is given in good faith and no warranty is implied with respect to the quality or the specification of the product. No warranty is given if the product is used for any other purpose other than that suggested, recommended or declared on the product label or brochure. The user must satisfy him/herself that the product is entirely suitable for his/her purpose.

