

CHEMISPHERE UK Ltd

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1 Identification of the substance/preparation and company

NAME:

Original **RENOVATE®**

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>
Chlorinated Trisodium Phosphate	>20%	Xi;R36/38 R31	Irritating to eyes and skin. Contact with acids liberates toxic gases.
Sodium Carbonate	>20%	Xi;R36	Irritating to eyes.

3 Hazards information

Causes irritation in cases of contact with skin, eyes, respiratory and digestive systems.
Contact with acids liberates toxic gas.

4 First-aid measures

<u>Route of exposure</u>	<u>Symptom</u>	<u>Treatment</u>
Inhalation	Irritation of nasal passages, throat and bronchial passages. Coughing, choking, tightness of chest.	Remove from exposure, ventilate area. In severe cases, or if recovery is not rapid or complete, seek medical attention.
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	Irritation, reddening, watering, stinging.	Irrigate thoroughly with water for at least 10 minutes. <i>Seek medical attention.</i>
Ingestion	Irritation, burns to, blistering of or discomfort in the gastronomic tract	Wash out mouth with water. Do <i>not</i> induce vomiting. Give plenty of water, milk or fruit juice to drink. Seek medical attention and particularly if patient feels unwell.

5 Fire-fighting measures

Non-flammable

Not applicable

6 Accidental release measures

Personal

precautions: Wear appropriate personal protection equipment. See section 8.

Disposal

considerations: Rinse container out with water before disposing of the container considerably.

Spillages: Sweep up and either return to container or, if small quantity, dispose of.

7 Handling & storage

Handling

Avoid contact with eyes and skin.

When dosing equipment or transferring product from container-to-container, avoid vigorous movement which could create air-borne dust which might be inhaled or be transferred to skin, eyes and face.

Wear appropriate personal protection equipment; see 8 below.

Never mix with acids, other chemicals, cleaning preparations or liquids other than water.

Always reseal container immediately after use.

Storage

Keep out of reach of children at all times.

Do not stack individual containers.

Ensure storage in a location to avoid crushing, collapsing, dropping or damage.

Store away from acids.

Store in dry, damp-free area with lid firmly on forming a damp-proof seal.

8 Exposure controls/personal protection

Respiratory

Wear mask if the application is likely to raise airborne powder-dust.

Hand protection

Rubber or PVC gloves.

Eye protection

Goggles.

Skin

Apron.

9 Physical & chemical properties

Appearance

White powder.

Odour

Faint chlorine.

pH

Powder; N/A.

Flammability

Not combustible.

Bulk Density

1.00

10 Stability & reactivity

Stability

No decomposition if stored and handled as directed

Conditions to avoid

Damp, ingress of water.

Materials to avoid

Contact with acids liberates toxic gas (chlorine). Do not mix with other chemicals or cleaning preparations other than FINESSE rinse additive, which MDC is designed to complement..

Hazardous

decomposition products

May generate some chlorine if in solution or if subjected to high temperatures.

Inhalation	May result in irritation or even burns to respiratory tract.
Skin contact	May result in severe irritation or blistering if skin is damp, e.g. with perspiration. Dry skin; very little effect if powder brushed off promptly.
Eye contact	May result in severe burns, causing corneal damage.
Ingestion	May result in damage to the gastrointestinal tract.

12 Ecological information

Mobility	Soluble in water.
Degradability	Not biodegradable; but degradable by dilution in solution and will neutralise with time.
Accumulation	No evidence of bioaccumulation.
Environmental effects	The resulting high pH of a high concentration solution of the product may cause an immediate and temporary danger to insects, plants, animals and aquatic life.

13 Disposal considerations

Material	Undissolved material must be disposed of in accordance with local authority regulations. Loose powder should be swept up and collected for disposal.
Container	Empty containers should be rinsed out thoroughly prior to disposal.

14 Transport information

Not classified for transport.

15 Regulatory information

Classification	Irritant.
Risk phrases	R36/38 Irritating to eyes and skin. R31 Contact with acids liberates toxic gas.
Safety phrases	S2 Keep out of reach of children. S22 Do not breathe dust. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S45/46 In case of accident or if swallowed, seek urgent medical attention and show this data sheet or the container label to the medical attendant.

16 Other information

Recommended uses & restrictions RENOVATE MDC is recommended for use as a cleaning, degreasing and sterilizing agent for commercial catering equipment; especially dishwashing and glasswashing machines. It is intended to be fed into the wash tanks of such equipment.

Powders - Dry, and in solution It should be noted that the characteristics of powders can alter significantly between their dry state and their dissolved condition and whether that latter state is concentrated or dilute. An example would be the relative safety of handling a dry powder with unprotected hands if hands are perfectly dry, from which the adhering powder might be brushed off and handling the same powder with thoroughly wet hands or allowing the powder to come into contact with forearms when perspiring freely: the resulting concentrated solution - locally concentrated at the skin - could present a hazard.

Therefore, it is recommended that these facts be borne in mind when handling the powder product and evaluating precautions to be taken.

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.

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.

This data supplied complies with CHIP2.

Reference: ChemData022a 15.03.04 (2)