

Chemisphere UK Ltd

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1. Identification of the substance/preparation and company

Name:

Renovate™ MDC

Manufactured By: Chemisphere UK Ltd (above)
Emergency Telephone Number: 0800 018 8062

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 gas
Sodium Carbonate	<20%	Xi;R36	Irritating to eyes

3. Hazards Information

May cause irritation in cases of contact with skin, eyes, respiratory and digestive systems

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	Pain, reddening, watering, stinging	Irrigate thoroughly with water for at least 10 minutes. Seek medical attention.
Ingestion	Irritation, burns to, blistering of or discomfort in the gastronomic tract	Wash out mouth with water. Do NOT induce vomiting. Give 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
Spillage's	Sweep up and either return to container or, if small quantity dispose of.

7. Handling & Storage

Handling Avoid protracted 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.
Always reseal container immediately after use.

Storage Keep out of reach of children *at all times*
Ensure storage in a location to avoid crushing, collapsing, dropping or damage.
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 air-borne powder-dust.
Hand Protection	Rubber or PVC Gloves
Eye Protection	Goggles
Skin	Apron

9. Physical & chemical properties

Appearance	White or yellow powder
Odour	None
pH	Powder; N/A
Flammability	Non-combustible
Relative Density	0.74

10. Stability & reactivity

Stability	No decomposition if stored and handled as directed.
Conditions To Avoid	Damp, ingress of water
Materials To Avoid	Although generally innocuous product, as general rule, do not mix with other chemicals or cleaning materials.
Hazardous decomposition	None know

11. Toxicological information

Inhalation (of dust)	May result in irritation or even burns to respiratory tract
Skin contact	Prolonged exposure may result in irritation is 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 and will neutralise with time
Accumulation	No evidence of bioaccumulation
Environmental effects	The resulting high pH of a higher concentration solution of the product may cause an immediate and temporary danger to insects, plants, animals and aquatic life.

13. Disposal consideration

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 prior to disposal

14. Transport Information

Not classified for transport

15. Regulatory Information

Classification	Irritant
Risk phrases	R36/38 Irritant to eyes and skin R31 Contact with acids liberates toxic gas
Safety phrases	S2 Keep Locked up and out of reach of children. S22 Do not breath 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 and restrictions	RENOVATE™ MDC is recommended for use as a cleaning, degreasing and sterilizing agent for commercial catering equipment; especially dish washing and glass washing 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 and 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 suggest or declared on the label or product brochure

Training advice

Since major performance and safety benefits can be derived from correctly using this 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 manufacturer – Chemisphere UK Ltd – or the relevant regional main agent (Bartech Services)

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