

1. IDENTIFICATION OF PREPARATION AND THE SUPPLIER

Trade Name: RENOVATE®
Supplier: The Proton Group Limited, Normanton Industrial Estate,
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2. INFORMATION ON INGREDIENTS

Product Description: Detergent Sanitiser for Machine Cleaning and Glass Refurbishment.

Hazardous Ingredients:

Materials or Component	% Range	Risk Phrases
Disodium Metasilicate	<10%	C; R33-37
Sodium Dichloro Iso Cyanurate Dihydrate	3% CI Active	Xn; R22-31-36/37

3. HAZARDS IDENTIFICATION

Irritant. Irritating to eyes and skin. Contact with acids liberates toxic gas.

4. FIRST AID MEASURES

Eyes: Irrigate thoroughly with water for at least 15 minutes. Seek medical attention if irritation persists.
Skin: Remove contaminated clothing. Wash off with water. If any irritation persists seek medical advice.
Ingestion: Wash out mouth with water immediately and give water or milk to drink. Do not induce vomiting and seek medical attention immediately.
Inhalation: Remove from exposure. Keep warm and at rest. If symptoms persist seek medical attention immediately.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Non-combustible. Use extinguishing media appropriate to surrounding fire conditions.
Protective Equipment for Fire Fighting: As appropriate to conditions and surrounding chemical environment.

6. ACCIDENTAL RELEASE MEASURES

Personal Protection: Gloves / overalls may be appropriate. See personal protection/exposure controls (sec 8).
Environmental Precautions: Not applicable.
Spillages: Dilute to drain with copious quantities of water. Observe local authority waste disposal regulations.

7. HANDLING AND STORAGE

Handling: Adopt normal chemical handling techniques to prevent unnecessary exposure and good personal hygiene practices. Avoid contact with eyes and skin.
Storage: Store in original containers, away from sources of heat and frost.

8. PERSONAL PROTECTION / EXPOSURE CONTROLS

Respiratory Protection: Use of face mask or respirator may be appropriate depending on the application.
Hand Protection: Wear gloves.
Eye Protection: Wear suitable eye/face protection. where appropriate.
Skin Protection: Overalls / aprons may be appropriate when handling concentrate or solutions.

Occupational Exposure Limits:

Hazardous Ingredients	LTEL (8hr TWA)		STEL (15mins)		Notes
	ppm	mg/m3	ppm	mg/m3	
Chlorine	0.5	1.5	1	2.9	EH40
Dust (Inhalable)	-	10	-	-	
Dust (Respirable)	-	4	-	-	

9. PHYSICAL / CHEMICAL PROPERTIES

Appearance:	White powder.
Odour:	Slight chlorine.
Solubility:	Miscible with water.
Boiling Point:	@100oC.
pH @ 1%:	@ 11.5.
Flash Point:	Non-flammable powder.

10. STABILITY AND REACTIVITY

Conditions to Avoid:	Elevated temperatures and moisture.
Materials to Avoid:	Contact with acids will liberate toxic chlorine gas.
Hazardous Decomposition	Stable under normal conditions of storage at room temperature.

11. TOXICOLOGICAL INFORMATION

Eye Contact:	Irritating to eyes.
Skin Contact:	Irritating to skin.
Ingestion:	Low toxicity. May cause gastro intestinal irritation, possibly vomiting.
Inhalation:	Inhalation of mist / sprays may cause irritation.

12. ECOLOGICAL INFORMATION

No evidence of bioaccumulation. Increases in pH above 10.5 may be fatal to fish and other aquatic organisms.

13. DISPOSAL CONSIDERATIONS

Consult local authority regulations before disposal. Flush to drain with water. Contain large spillages with earth or sand.

14. TRANSPORT INFORMATION

Classification for Transport Not classified under transport regulations.

15. REGULATORY INFORMATION

EEC Classification:	Irritant. R36/38-31.
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. S24/25 Avoid contact with eyes and skin. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S37 Wear suitable gloves. S35 This material and its container must be disposed of in a safe way.

16. OTHER INFORMATION

Secondary Label:	Alkaline Chlorinated.
Other Data:	The information given in this data sheet is given in good faith and to the best of our knowledge but no guarantee, implied or otherwise is made.