



## MATERIAL SAFETY DATA SHEET

**PRODUCT:** Grout Renu  
**MANUFACTURER:** Tile & Floor Care Chemicals CC  
**MANUFACTURERS ADDRESS:** Cnr. Sam Green & Evergreen Roads  
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### 1. Product Name: Grout Renu

**Intended Use:** Hard Surface Cleaner  
**Chemical Name:** Hydrochloric Acid  
**Synonyms:** Muriatic Acid  
**Chemical Family:** Acid  
**Empirical Formula:** HCl aqueous

### 2. Composition / Information on hazardous ingredients

Ingredients	CAS Number	EINECS	Symbols / Risk Phrases
Hydrochloric Acid...%		231-595-7	C;R34 Xi; R37
Methanol	67-56-1	200-659-6	F;R11 T;R23/24/25-39-23/24/25

### 3. Hazard Identification

**Main Hazards:** Causes burns. Irritating to respiratory system.

### 4. First Aid Measures

**Skin Contact:** Causes burns. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical advice if irritation or symptoms persist.  
**Eye Contact:** Causes burns. Causes severe inflammation and may damage the cornea. Seek medical attention.  
**Inhalation:** Inhalation of vapour may cause shortness of breath. Move the exposed person to fresh air. Seek medical attention.  
**Ingestion:** Ingestion causes burns to the respiratory tract. DO NOT INDUCE VOMITING. If swallowed, seek medical advice immediately and show this container or label.

### 5. Fire Fighting Measures:

**Extinguishing Media:** Carbon oxides.  
**Fire Hazards:** Corrosive. Burning produces irritating, toxic and obnoxious fumes.  
**Protective Equipment:** Wear suitable respiratory equipment when necessary.

### 6. Accidental Release Measures

**Personal Precautions:** Ensure adequate ventilation of the working area. Evacuate personnel to a safe area. Wear suitable protective equipment.  
**Environmental Precautions:** Do not allow product to enter drains. Prevent further spillage if safe.  
**Clean Up Methods:** Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

### 7. Handling and Storage

**Handling:** Avoid contact with eyes and skin. Ensure adequate ventilation of the working area.  
**Storage:** Keep in a cool, dry, well ventilated area. Keep container tightly closed.

### 8. Exposure Controls/Personal Protection

#### EXPOSURE LIMITS:

Methanol	WEL 8-hr limit ppm: 200	WEL 8-hr limit mg/m <sup>3</sup> : 266
	WEL 15 min limit ppm: 250	WEL 15 min limit mg/m <sup>3</sup> : 333

**Engineering Measures:** Ensure adequate ventilation of the working area.  
**Respiratory Protection:** Wear self-contained breathing apparatus.  
**Hand Protection:** Chemical resistant gloves. (PVC)  
**Eye Protection:** Approved safety goggles.  
**Protective Equipment:** Wear chemical protective clothing.

### 9. Physical and Chemical Properties

**Description:** Liquid  
**Colour:** Red  
**Odour:** Characteristic  
**pH:** 1  
**Relative Density:** 1.085 g/cm<sup>3</sup>  
**Water Solubility:** miscible in water

### 10. Stability and Reactivity

**Stability:** Stable under normal conditions.  
**Conditions to avoid:** Heat.  
**Materials to avoid:** Amines. Finely powdered metals. Strong bases.

### 11. Toxicological Information:

**Toxicological Information:** No data is available on this product.  
**Corrosivity:** Causes burns.

## 12. Ecological Information:

Ecotoxicity: No data is available on this product.

## 13. Disposal Considerations:

**General Information:** Dispose of in compliance with local and national regulations.  
**Disposal Methods:** Dispose of in compliance with local and national regulations. For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used.  
**Disposal of Packaging:** Containers can be recycled if in compliance with the local and national regulations.

## 14. Transport Information:

<b>ADR/RID</b>	<b>UN 1789</b> <b>Class 8</b>	<b>Packing Group - II</b> <b>Hazard ID - 80</b>
<b>Proper Shipping Name:</b>	HYDROCHLORIC ACID	
<b>IMDG</b>	<b>UN 1789</b> <b>Class 8</b>	<b>Packing Group - II</b> <b>Marine Pollutant - No</b>
<b>EmS Code:</b>	F-A S-B	
<b>IATA</b>	<b>UN 1789</b> <b>Class 8</b>	<b>Packing Group - II</b> <b>Subsidiary Risk</b>
<b>Packing Instruction (CARGO):</b>	813	<b>Maximum Quantity - 30 L</b>
<b>Packing Instruction (PASSENGER):</b>	809	<b>Maximum Quantity - 1 L</b>

## 15. Regulatory Information:

**Labelling:** The product is classified in accordance with 67/548/EEC  
**Symbols:** C - Corrosive  
**Risk Phrases:** **R34** - Causes burns.  
**R37** - Irritating to respiratory system.  
**Safety Phrases:** **S1/2** - Keep locked up and out of reach of children.  
**S13** - Keep away from food, drink and animal feeding stuff.  
**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 soap and water.  
**S36/37/39** - Wear suitable protective clothing, gloves and eye / face protection.  
**S45** - In case of accident or if you feel unwell, seek medical advice immediately and show the label where possible.  
**S46** - If swallowed, seek medical advice immediately and show this container or label.

## 16. Other Information:

**Text of Risk Phrases in Section 2:** **R11** - Highly flammable.  
**R23/24/25** - Toxic by inhalation, in contact with skin and if swallowed.  
**R34** - Causes burns.  
**R37** - Irritating to respiratory system.  
**R39/23/24/25** - Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

**Further Information:** The information supplied in this Safety Data Sheet is designed only as a guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication, however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.

**Labelling for Contents:** Amphoteric surfactants. 0 - < 5%