

# MATERIAL SAFETY DATA SHEET

## Grout Restore 20

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Hazardous according to the criteria of Worksafe Australia.

### Section 1: Supplier Information

<b>Company Details:</b>	<b>Applied Products Australia</b> 11 Gamma Close Beresfield NSW 2322 Phone: +612 4966 5516 Fax: +612 4966 5510
<b>Emergency Telephone No:</b>	Tel: +612 4966 5516 Tel: 131 126 Poisons Information Centre
<b>Date of MSDS Preparation:</b>	October 2008

### Section 2: Identification

<b>Product Name:</b>	<b>Grout Restore 20</b>
<b>Product Code:</b>	AP161
<b>UN Number:</b>	Not allocated
<b>Dangerous Goods Class and Subsidiary Risk:</b>	Not allocated
<b>Proper Shipping Name:</b>	Not allocated
<b>Hazchem Code:</b>	Not allocated
<b>Poisons Schedule No:</b>	5
<b>Use:</b>	Tile and Grout restoration cleaner.

### Section 3: Physical Description and Properties

<b>Appearance:</b>	Green liquid with mild acid odour.
<b>Boiling Point:</b>	Not available
<b>Vapour Pressure:</b>	Not available
<b>Specific Gravity:</b>	1.12
<b>Flashpoint:</b>	Not available
<b>Flammability Limits:</b>	Not Flammable
<b>Solubility in Water:</b>	Completely soluble
<b>OTHER PROPERTIES</b>	
<b>Corrosiveness:</b>	Corrosive to non-ferrous metals
<b>Reactivity:</b>	Will react with oxidizing agents and strong alkalis.
<b>pH:</b>	1.0 (conc)

#### INGREDIENTS

All hazardous substances as defined by the NOHSC code 1008 are listed by chemical name and CAS No. Other ingredients which are determined to be non-hazardous are listed by generic name or as "other ingredients determined not to be hazardous."

CHEMICAL NAME	CAS No.	PROPORTION
Phosphoric Acid	7664-38-2	20%
Non-hazardous ingredients		to 100%

## Section 4: Health Hazard Information

### HEALTH EFFECTS

#### ACUTE

- Swallowed:** Will cause burns to the mouth, throat and stomach with effects including mucous build-up, irritation to the tongue and lips and pains in the stomach, which may lead to nausea, vomiting and diarrhea.
- Eye:** Will cause severe irritation and possible burns to the eyes with effects including: tearing, pain, corneal opacity and blurred vision.
- Skin:** Will cause irritation to the skin, with effects including; redness, itching and drying/defatting.
- Inhaled:** Mists from the product may cause irritation to the nose, throat and respiratory system with effects including; coughing, discomfort, breathing difficulty and shortness of breath.

#### CHRONIC

- Prolonged or repeated skin contact may lead to dermatitis.  
Prolonged eye contact may cause permanent eye damage.

## Section 5: First Aid

### FIRST AID

- Swallowed:** If poisoning occurs, immediately contact a doctor or a Poisons Information Centre Tel 131 126 . Do NOT induce vomiting. Give 3 glasses of water.
- Eyes:** In case of contact with eyes, flush immediately under running water (ensure eyelids are held open) for 15 minutes or until told to stop by a doctor or Poisons Information Centre. Immediately contact a doctor.
- Skin:** Remove contaminated clothing immediately and wash skin thoroughly with soap and water. Seek medical advice if irritation persists.
- Inhaled:** Remove from contaminated area. Apply artificial respiration if not breathing.
- First Aid Facilities:** Eye wash. Normal washroom facilities.
- Advice to doctor:** Treat symptomatically.

## Section 6: Precautions for Use

- Exposure Standards:** No exposure standards have been assigned to Grout Restore 20. However the exposure standards for the ingredient Phosphoric Acid are:  
**Phosphoric Acid** TWA: 1mg/m<sup>3</sup>  
STEL: 3mg/m<sup>3</sup>
- Engineering Controls:** Avoid areolising. Maintain adequate ventilation at all times. Maintain adequate ventilation at all times.
- Personal Protection Equipment:**  
Gloves and apron: NBR or nitrile  
Goggles – wear chemical goggles  
Respiratory Protection – Not normally required. If used in confined spaces, select and use respirators in accordance with AS/NZS 1715/1716. The use of half-face P1 (dust/mist) respirator with replaceable filters is recommended.
- Flammability:** Not flammable or combustible.

## Section 7: Safe Handling Information

<b>Storage &amp; Transport:</b>	Store in a cool place and out of direct sunlight. Store away from strong alkalis and oxidizing agents. Store away from possible contact with non-ferrous metals. Keep container sealed when not in use. Store locked up and out of reach of children. Only store in the original container as supplied by the manufacturer.
<b>Spills and Disposals:</b>	<b>Large Spills</b> - Absorb on sand, dirt, vermiculite or similar absorbent material. Place into labeled drums and dispose of according to local government regulations. Immediately notify emergency services (Police or Fire Brigade) if the spill is too large for you to safely and effectively handle. <b>Small Spills</b> – Flush away with copious amounts of water.
<b>Fire/Explosion Hazard:</b>	Use dry chemical, foam or water fog. Wear full body protective clothing with self contained breathing apparatus (SCBA) and protective gloves. Prevent by any means available to prevent any spillage entering a watercourse.

## Section 8: Stability and Reactivity

<b>Stability:</b>	Stable under normal conditions of use.
<b>Hazardous Decomposition Products:</b>	May decompose forming phosphorous oxide.
<b>Hazardous Polymerization:</b>	Will not occur.
<b>Incompatibilities:</b>	Strong alkalis, oxidizing agents, reducing agents, non-ferrous metals, tin and zinc.
<b>Conditions to avoid:</b>	Incompatibilities and excessive heat.

## Section 9: Toxicological and Ecological Information

**Toxicological Information:** There is no toxicological information for the product Grout Restore 20, however for the ingredient Phosphoric Acid:

**Phosphoric Acid**

Inhale LC50 Rabbit: 1689mg/L	Oral LD50 Rat: 1530mg/kg
Skin LD50 Rabbit: 2740mg/kg	Dermal Rabbit: 595mg/24hr (severe skin irritation)
Eye Rabbit: 119mg/24hr	(eye rabbit)

**Ecological Information:** For the ingredient Phosphoric Acid:  
Fish LC50 96hr: 3-3.5mg/L Can be harmful to organisms that live in the water.

## Section 10: Other Information

<b>Contact Point:</b>	<b>Chief Technician</b> <b>Tel (02)4966 5516</b> <b>Poisons Information Centre</b> <b>Tel 131 126</b>
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**Note:** This Material Safety Data Sheet has been compiled in accordance with the Worksafe code for the Preparation of Material Safety Data Sheets.

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