TILE & GROUT CLEANER RTU

Version 1.0 (04/10/2024)

Section 1: IDENTIFICATION

Product name:	TILE & GROUT CLEANER RTU
Product number:	CT-107
Supplier's/Manufacturer details:	
Name	Interchem Limited
Address	9th Avenue South Barataria, Trinidad and Tobago, W.I.
Telephone	868-235-CHEM (2436)
Email:	sales@interchem.co.tt
Emergency phone number	

Section 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200)

- Eye damage/irritation, Cat. 1
- Skin corrosion/irritation, Cat. 1
- Acute toxicity, oral, Cat. 3

GHS label elements, including precautionary statements.

Pictograms

1. Corrosion; 2. Skull and crossbones; 3. Exclamation mark

Signal word **Danger**

Hazard statement(s)

H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H301	Toxic if swallowed.
H335	May cause respiratory irritation.

Precautionary statement(s)

P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P264	Wash thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor.
P363	Wash contaminated clothing before reuse.
P405	Store locked up.
P501	Dispose of contents/container in accordance with applicable regional, national, and local laws and regulations.
P270	Do not eat, drink, or smoke when using this product.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P330	Rinse mouth.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

Component	Concentration
Phosphoric acid (CAS no.: 7664-38-2; EC no.: 231-633-2; Index no.: 015-011-00-6)	Not specified.

Trade secret statement (OSHA 1910.1200(i))
*The specific chemical identities and/or actual concentrations or actual concentration ranges for one or more listed components are being withheld as trade secrets under the US regulation 29 CFR 1910.1200(i).

Section 4: FIRST-AID MEASURES

Description of necessary first-aid measures

If inhaled	If affected, remove individual to fresh air. If breathing is difficult, administer oxygen. Keep the person warm and quiet. Get medical attention.
In case of skin contact	Flush with water for 15 minutes, lifting upper and lower lids occasionally. Neutralize with baking soda or sodium bicarbonate. Seek medical attention immediately.
If swallowed	Do not induce vomiting. Drink baking soda solution. Keep person warm, quiet and seek immediate medical attention.

Most important symptoms/effects, acute and delayed.
The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

Indication of immediate medical attention and special treatment needed, if necessary
No data available

Section 5: FIRE-FIGHTING MEASURES

Suitable extinguishing media.
Regular foam, carbon dioxide, dry chemical, for surrounding fire.

Specific hazards arising from the chemical.
May form corrosive fumes and Carbon Oxides.

Special protective actions for fire-fighters.
Wear self-contained breathing apparatus with a full-face piece operated in the positive pressure demand mode when fighting fires.
Special Fire and Explosion Hazards: Mixtures with nitromethane are explosive.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures.
For personal protection see section 8. People not wearing protective equipment should be excluded from the area of the spill until cleanup has been completed.

Environmental precautions.
Prevent from entering drains, sewers, streams, or other bodies of water. Prevent from spreading. If runoff occurs notify authorities. as required.

Methods and materials for containment and cleaning up.
Small Spill: Dilute with water, absorb onto mop or other material such as soda ash. Dispose as directed by local regulatory norms.
Large Spill: Stop spill at source. Isolate and dike with soaking materials. Pump or vacuum transfer spilled product to clean containers for recovery. Absorb unrecoverable product and dispose according to local laws.

Section 7: HANDLING AND STORAGE

Precautions for safe handling.
KEEP OUT OF REACH OF CHILDREN.
For industrial and institutional use only.

Conditions for safe storage, including any incompatibilities.
Store in a cool, dry area away from heat or open flame. Do not store at temperatures more than 120 ºF for prolonged periods.
Always store in original container. Follow all label instructions and precautions.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters.

CAS: 7664-38-2 (EC: 231-633-2)

Phosphoric acid

ACGIH (USA): 1 mg/m3, (ST) 3 mg/m3 TLV® inhalation; AU/SWA (Australia): 3 mg/m3 STEL inhalation; 1 mg/m3 TWA inhalation; Cal/OSHA (USA): 1 mg/m3, (ST) 3 mg/m3 PEL inhalation; NIOSH (USA): 1 mg/m3, (ST) 3 mg/m3 REL inhalation; OSHA (USA): 1 mg/m3 PEL inhalation

Individual protection measures, such as personal protective equipment (PPE)

Pictograms

Eye/face protection

Chemical splash resistant goggles or face shield.

Skin protection

Rubber, neoprene or another resistant elastomer.

Body protection

Other Protective Clothing & Equipment: Rubber aprons and boots when working with large quantities.

Respiratory protection

If workplace exposure limits product or any component is exceeded, a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure types) under specified conditions. Engineering or administrative controls should be implemented to reduce exposure.
Ventilation: Provide sufficient mechanical ventilation to maintain exposure below TLV.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color, etc.)	Clear white liquid with pleasant odor.
Odor	Pleasant odor
Odor threshold	ND
pH	1
Melting point/freezing point	ND
Initial boiling point and boiling range	220 ºF
Flash point	NAP
Evaporation rate	ND
Flammability (solid, gas)	Non-flammable
Upper/lower flammability or explosive limits	NAP
Vapor pressure	2.3 kPa (@ 20 ºC) (Water)
Vapor density	(Air=1): 0.62
Relative density	1.11 gr/cc
Solubility(ies)	Soluble
Partition coefficient: n-octanol/water	ND
Auto-ignition temperature	ND
Decomposition temperature	ND
Viscosity	ND
Additional properties	
Physical state	Liquid
Color	White

Section 10: STABILITY AND REACTIVITY

Reactivity
ND

Chemical stability
Stable under normal conditions.

Possibility of hazardous reactions
Hazardous Polymerization: Will not occur.

Conditions to avoid.
Direct heat.

Incompatible materials
Phosphoric acid: Strong bases, Powdered metals.
Reactive with metals, alkalis, and combustible material.

Hazardous decomposition products
Phosphoric acid: Hazardous decomposition products formed under fire conditions. - Oxides of phosphorus.
Other decomposition products - No data available.

Section 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects

Additional information
Oral Toxicity: (LD50) 7075mg/kg [Rat]
Inhalation Toxicity: ND
Dermal Toxicity: (LD50) 12671 mg/kg [Rabbit]
Irritancy of Product: This product is irritating to the skin, eyes, respiratory, and digestive tract. Prolonged exposure will cause severe medical complications or even death.

Section 12: ECOLOGICAL INFORMATION

Toxicity
ND

Persistence and degradability
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Bio accumulative potential
ND

Other adverse effects
The products of degradation are less toxic than the product itself.

Section 13: DISPOSAL INFORMATION

Product disposal
Disposal should be made in accordance with federal, state, and local regulations.

Section 14: TRANSPORT INFORMATION

DOT (US)
UN Number: UN1805
Class: 8
Packing Group: III
Proper Shipping Name: Phosphoric acid solution

IMDG
UN Number: UN1805
Class: 8
Packing Group: III
Proper Shipping Name: Phosphoric acid solution

IATA
UN Number: UN1805
Class: 8
Packing Group: III
Proper Shipping Name: Phosphoric acid solution

Section 15: REGULATORY INFORMATION

Safety, health, and environmental regulations specific for the product in question

California Prop. 65 Components
This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

Canadian Domestic Substances List (DSL)
Chemical name: Phosphoric acid
CAS: 7664-38-2

Massachusetts Right To Know Components
Phosphoric acid
CAS number: 7664-38-2

New Jersey Right To Know Components
Phosphoric acid
CAS number: 7664-38-2

Pennsylvania Right To Know Components
Phosphoric acid
CAS number: 7664-38-2

SARA 302 Components
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 311/312 Hazards
Acute Health Hazard, Chronic Health Hazard

SARA 313 Components
This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Section 15: OTHER INFORMATION

Further information/disclaimer

DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. In no event shall INTERCHEM LIMITED be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages, whatsoever arising, even if INTERCHEM LIITED has been advised of the possibility of such damages.