SECTION 1: Product and company identification
Product name: Tile & Grout
Use of the substance/mixture: Acid Cleaner
Product code: 114201
Company: Share Corporation
P.O. Box 245013
Milwaukee, WI 53224 - USA
T (414) 355-4000
Emergency number: Chemtrec: (800) 424-9300

SECTION 2: Hazards identification
2.1. Classification of the substance or mixture
Classification (GHS-US)
Met. Corr. 1 H290
Skin Corr. 1A H314
Full text of H-phrases: see section 16
2.2. Label elements
GHS-US labeling
Hazard pictograms (GHS-US):

Signal word (GHS-US): Danger
Hazard statements (GHS-US): May be corrosive to metals
Causes severe skin burns and eye damage
Precautionary statements (GHS-US):
Keep only in original container
Do not breathe mist, vapors, spray
Wear protective gloves, protective clothing, eye protection, face protection
If swallowed: rinse mouth. Do NOT induce vomiting
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
If inhaled: Remove person to fresh air and keep comfortable for breathing
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
Immediately call a POISON CENTER, a doctor
Specific treatment (see First aid measures on this label)
Wash contaminated clothing before reuse
Absorb spillage to prevent material damage
Store locked up
Store in corrosive resistant container with a resistant inner liner
Dispose of contents/container to comply with local/regional/national/international regulations

2.3. Other hazards
No additional information available
2.4. Unknown acute toxicity (GHS US)
Not applicable

SECTION 3: Composition/information on ingredients
3.1. Substance
Not applicable
Full text of H-phrases: see section 16
3.2. Mixture
<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification (GHS-US)</th>
</tr>
</thead>
<tbody>
<tr>
<td>phosphoric acid</td>
<td>(CAS No) 7664-38-2</td>
<td>20 - 20.6</td>
<td>Acute Tox. 4 (Oral), H302 Skin Corr. 1A, H314</td>
</tr>
<tr>
<td>2-propanol</td>
<td>(CAS No) 67-63-0</td>
<td>1 - 2</td>
<td>Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336</td>
</tr>
</tbody>
</table>
SECTION 4: First aid measures

4.1. Description of first aid measures
First-aid measures general: If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Artificial respiration and/or oxygen if necessary. If experiencing respiratory symptoms: Call a poison center or doctor.
First-aid measures after skin contact: Take off immediately all contaminated clothing and wash it before reuse. Wash with plenty of soap and water. Immediately call a poison center or doctor/physician.
First-aid measures after eye contact: Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.
First-aid measures after ingestion: Immediately call a poison center or doctor/physician. Rinse mouth. Drink plenty of water. Do not induce vomiting without medical advice. If vomiting occurs have person lean forward.

4.2. Most important symptoms and effects, both acute and delayed
Symptoms/injuries: Causes severe skin burns and eye damage.
Symptoms/injuries after inhalation: May cause respiratory irritation.
Symptoms/injuries after skin contact: Caustic burns/corrosion of the skin.
Symptoms/injuries after eye contact: Causes serious eye damage. Corrosion of the eye tissue. Permanent eye damage.
Symptoms/injuries after ingestion: May be harmful if swallowed.

4.3. Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media: Adapt extinguishing media to the environment.
Unsuitable extinguishing media: Solid water jet ineffective as extinguishing medium.

5.2. Special hazards arising from the substance or mixture
Reactivity: No data available.

5.3. Advice for firefighters
Firefighting instructions: Exercise caution when fighting any chemical fire. Use water moderately and if possible collect or contain it. Use water spray or fog for cooling exposed containers.
Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
General measures: Isolate from fire, if possible, without unnecessary risk.
6.1.1. For non-emergency personnel
Emergency procedures: Evacuate unnecessary personnel. Avoid contact with skin, eyes and clothing. Ventilate spillage area.
6.1.2. For emergency responders
Protective equipment: Equip cleanup crew with proper protection.
Emergency procedures: Stop leak if safe to do so. Stop release. Ventilate area.

6.2. Environmental precautions
Avoid release to the environment. Prevent soil and water pollution.
6.3. Methods and material for containment and cleaning up
For containment: Contain released substance, pump into suitable containers.
Methods for cleaning up: This material and its container must be disposed of in a safe way, and as per local legislation.

6.4. Reference to other sections
No additional information available.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Precautions for safe handling: Comply with the legal requirements. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Do not get in eyes, on skin, or on clothing.
Hygiene measures: Wash thoroughly after handling. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities
Technical measures: Comply with applicable regulations.
Storage conditions: Keep container closed when not in use. Store in original container.
Incompatible products: alkaline substances, metals and metal salts.
Incompatible materials: chlorine-based bleaching agents.
Storage area: Keep only in the original container. Store in a dry area. Store in a cool area.
Special rules on packaging: meet the legal requirements.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>phosphoric acid (7664-38-2)</th>
<th>ACGIH</th>
<th>ACGIH TWA (mg/m³)</th>
<th>1 mg/m³</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH</td>
<td>ACGIH STEL (mg/m³)</td>
<td>3 mg/m³</td>
<td></td>
</tr>
<tr>
<td>2-propanol (67-63-0)</td>
<td>ACGIH</td>
<td>ACGIH TWA (ppm)</td>
<td>200 ppm</td>
</tr>
<tr>
<td>ACGIH</td>
<td>ACGIH STEL (ppm)</td>
<td>400 ppm</td>
<td></td>
</tr>
<tr>
<td>ACGIH</td>
<td>Remark (ACGIH)</td>
<td>Eye &amp; URT irr; CNS impair</td>
<td></td>
</tr>
</tbody>
</table>

8.2. Exposure controls

Appropriate engineering controls: Ensure good ventilation of the work station.
Personal protective equipment: Gloves. Safety glasses. Protective clothing. Use appropriate personal protective equipment when risk assessment indicates this is necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Liquid
Appearance: pink. Liquid.
Odor: mint
Odor threshold: No data available
pH: < 1
Melting point: No data available
Freezing point: No data available
Boiling point: 212 °F
Flash point: > 200 °F
Relative evaporation rate (butyl acetate=1): No data available
Flammability (solid, gas): No data available
Explosion limits: No data available
Explosive properties: No data available
Oxidizing properties: No data available
Vapor pressure: No data available
Relative density: No data available
Relative vapor density at 20 °C: No data available
Specific gravity / density: 1.118 g/ml
Solubility: Soluble in water.
Log Pow: No data available
Log Kow: No data available
Auto-ignition temperature: No data available
Decomposition temperature: No data available
Viscosity: No data available
Viscosity, kinematic: No data available
Viscosity, dynamic: No data available
VOC content: < 0.5 %
SECTION 10: Stability and reactivity

10.1. Reactivity
No data available.

10.2. Chemical stability
The product is stable at normal handling- and storage conditions.

10.3. Possibility of hazardous reactions
Refer to section 10.1 on Reactivity.

10.4. Conditions to avoid
No additional information available.

10.5. Incompatible materials
May be corrosive to metals. Metals.

10.6. Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity: Not classified

<table>
<thead>
<tr>
<th>phosphoric acid (7664-38-2)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>1530 mg/kg (Rat)</td>
</tr>
<tr>
<td>LD50 dermal rabbit</td>
<td>2740 mg/kg (Rabbit)</td>
</tr>
<tr>
<td>ATE CLP (oral)</td>
<td>1530.000 mg/kg body weight</td>
</tr>
<tr>
<td>ATE CLP (dermal)</td>
<td>2740.000 mg/kg body weight</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2-propanol (67-63-0)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>5045 mg/kg (Rat; OECD 401: Acute Oral Toxicity; Experimental value; 5840 mg/kg bodyweight; Rat)</td>
</tr>
<tr>
<td>LD50 dermal rabbit</td>
<td>12870 mg/kg (Rabbit; Experimental value; Equivalent or similar to OECD 402; 16.4; Rabbit)</td>
</tr>
<tr>
<td>LC50 inhalation rat (mg/l)</td>
<td>73 mg/l/4h (Rat)</td>
</tr>
<tr>
<td>ATE CLP (oral)</td>
<td>5045.000 mg/kg body weight</td>
</tr>
<tr>
<td>ATE CLP (dermal)</td>
<td>12870.000 mg/kg body weight</td>
</tr>
<tr>
<td>ATE CLP (vapors)</td>
<td>73.000 mg/l/4h</td>
</tr>
<tr>
<td>ATE CLP (dust, mist)</td>
<td>73.000 mg/l/4h</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation: Causes severe skin burns and eye damage.
pH: < 1

Serious eye damage/irritation: Not classified
pH: < 1

Respiratory or skin sensitization: Not classified

Germ cell mutagenicity: Not classified

Carcinogenicity: Not classified

SECTION 12: Ecological information

12.1. Toxicity

Date of issue: 10/9/2015  Revision date: 01/12/2015  Version: 1.0
### 12.2. Persistence and degradability

<table>
<thead>
<tr>
<th>Substance</th>
<th>LC50 fish 1</th>
<th>LC50 other aquatic organisms 1</th>
<th>LC50 fish 2</th>
<th>LC50 other aquatic organisms 2</th>
<th>TLM fish 1</th>
<th>Threshold limit other aquatic organisms 1</th>
<th>Threshold limit other aquatic organisms 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>phosphoric acid (7664-38-2)</td>
<td>138 mg/l</td>
<td>240 mg/l (96 h; Prototzoa; pH &lt; 7)</td>
<td>100 - 1000 mg/l</td>
<td>100 - 1000 mg/l</td>
<td>138 ppm (24 h; Gambusia affinis)</td>
<td>240 mg/l (96 h; Prototzoa; pH &lt; 7)</td>
<td>100 - 1000 mg/l</td>
</tr>
<tr>
<td>2-propanol (67-63-0)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50 fish 1</td>
<td>4200 mg/l</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EC50 Daphnia 1</td>
<td>&gt; 10000 mg/l</td>
<td>(48 h; Daphnia magna)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50 fish 2</td>
<td>9640 mg/l</td>
<td>(96 h; Pimephales promelas; Lethal)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EC50 Daphnia 2</td>
<td>13299 mg/l</td>
<td>(48 h; Daphnia magna)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Threshold limit algae 1</td>
<td>&gt; 1000 mg/l</td>
<td>(72 h; Scenedesmus subspicatus; Growth rate)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Threshold limit algae 2</td>
<td>1800 mg/l</td>
<td>(72 h; Algae; Cell numbers)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**12.2.1. Persistence and degradability**

<table>
<thead>
<tr>
<th>Substance</th>
<th>Persistence and degradability</th>
</tr>
</thead>
<tbody>
<tr>
<td>phosphoric acid (7664-38-2)</td>
<td>Biodegradability: not applicable.</td>
</tr>
<tr>
<td>2-propanol (67-63-0)</td>
<td>Readily biodegradable in water. Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. No (test)data on mobility of the substance available.</td>
</tr>
</tbody>
</table>

**12.2.2. Bioaccumulative potential**

<table>
<thead>
<tr>
<th>Substance</th>
<th>Log Pow</th>
<th>Bioaccumulative potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>phosphoric acid (7664-38-2)</td>
<td>-0.77</td>
<td>Bioaccumulation: not applicable.</td>
</tr>
<tr>
<td>2-propanol (67-63-0)</td>
<td>0.05</td>
<td>Low potential for bioaccumulation (Log Kow &lt; 4).</td>
</tr>
</tbody>
</table>

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

**SECTION 14: Transport information**

**Department of Transportation (DOT)**

| Transport document description | UN3264 Corrosive liquid, acidic, inorganic, n.o.s., 8, III |
| UN-No.(DOT)                    | UN3264 |
| Proper Shipping Name (DOT)    | Corrosive liquid, acidic, inorganic, n.o.s. |
| Transport hazard class(es) (DOT) | 8 - Class 8 - Corrosive material 49 CFR 173.136 |
| Hazard labels (DOT)           | 8 - Corrosive |

Packing group (DOT) : III - Minor Danger

DOT Packaging Non Bulk (49 CFR 173.xxx) : 203
Tile & Grout
Safety Data Sheet

DOT Packaging Bulk (49 CFR 173.xxx) : 241
DOT Symbols : G - Identifies PSN requiring a technical name
DOT Special Provisions (49 CFR 172.102) : IB3,T7,TP1,TP28
DOT Packaging Exceptions (49 CFR 173.xxx) : 154
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 5 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 60 L
DOT Vessel Stowage Location : A
DOT Vessel Stowage Other : 40 - Stow “clear of living quarters”

Additional information
Other information : No supplementary information available.

ADR
No additional information available

Transport by sea
No additional information available

Air transport
No additional information available

SECTION 15: Regulatory information
All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

<table>
<thead>
<tr>
<th>Chemical (CAS No)</th>
<th>RQ (Reportable quantity, section 304 of EPA’s List of Lists)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-propanol (67-63-0)</td>
<td>5000 lb</td>
</tr>
</tbody>
</table>

phosphoric acid (7664-38-2)
Not listed on SARA Section 313 (Specific toxic chemical listings)

California Proposition 65 - This product does not contain a substance(s) known to the state of California to cause cancer and/or reproductive toxicity

SECTION 16: Other information
Training advice : Normal use of this product shall imply use in accordance with the instructions on the packaging.

Full text of H-phrases:

<table>
<thead>
<tr>
<th>Acute Toxic. 4 (Oral)</th>
<th>Acute toxicity (oral) Category 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye Irrit. 2A</td>
<td>Serious eye damage/eye irritation Category 2A</td>
</tr>
<tr>
<td>Flam. Liq. 2</td>
<td>Flammable liquids Category 2</td>
</tr>
<tr>
<td>Met. Corr. 1</td>
<td>Corrosive to metals Category 1</td>
</tr>
<tr>
<td>Skin Corr. 1A</td>
<td>Skin corrosion/irritation Category 1A</td>
</tr>
<tr>
<td>STOT SE 3</td>
<td>Specific target organ toxicity (single exposure) Category 3</td>
</tr>
<tr>
<td>H225</td>
<td>Highly flammable liquid and vapor</td>
</tr>
<tr>
<td>H290</td>
<td>May be corrosive to metals</td>
</tr>
<tr>
<td>H302</td>
<td>Harmful if swallowed</td>
</tr>
<tr>
<td>H314</td>
<td>Causes severe skin burns and eye damage</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation</td>
</tr>
<tr>
<td>H336</td>
<td>May cause drowsiness or dizziness</td>
</tr>
</tbody>
</table>
NFPA health hazard : 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.

NFPA fire hazard : 0 - Materials that will not burn.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

Prepared by: Technical Department

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. No warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Our company assumes no responsibility for personal injury or property damage to the vendee, users or third parties caused by the material. Such vendees or users assume all risks associated with the use of this material.