1. Identification

Product Identifier: Tile & Grout Cleaner
Other means of identification:
Product code: APX-RDT-GRCL
Recommended use: Restroom cleaner.
Recommended restrictions: None.

Distributor information
Company name: Rock Doctor
Address: 8333 Melrose Drive
Lenexa, KS 66241
Telephone: (913) 894-0288
Emergency phone number: 24 hour emergency (INFOTRAC) (800) 535-5053

2. Hazard(s) Identification

Physical hazards: Not classified.
Health hazards: Serious eye damage
Environmental hazards: Not classified.
OSHA defined hazards: None.

Label elements
Signal word: Danger
Hazard statement: Causes serious eye damage.
Precautionary statement:
Prevention: Wear eye protection/face protection.
Response: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue Rinsing. Immediately call a POISON CENTER/doctor/medical professional.

3. Composition/information on ingredients

Mixtures

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Urea monohydrochloride</td>
<td>506-89-8</td>
<td>3-8</td>
</tr>
</tbody>
</table>

Other components below reportable levels 90-100

4. First-aid measures

Inhalation: Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact: Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions.
Eye contact: Rinse with water for at least 15 minutes. Remove contact lenses if present and easy to do so. Immediately call a physician or transport to hospital.
Ingestion
Rinse mouth. Get medical attention immediately. Do not induce vomiting.

Most important symptoms/effects, acute and delayed
Dermatitis. Rash. May cause an allergic skin reaction.

Indication of immediate medical attention and special treatment needed
Provide general support measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

General information
Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

Suitable extinguishing media
Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂)

Unsuitable extinguishing media
Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical
During fire, gases hazardous to health may be formed (hydrogen chloride gas).

Special protective equipment and precautions for firefighters
Self-contained breathing apparatus and full protecting clothing must be worn in case of fire.

Fire-fighting equipment/instructions
Move containers from fire area if you can do so without risk.

Specific methods
Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards
No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures
Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Avoid inhalation of vapors or mists. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up
This product is miscible in water.

Large spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.

Small spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original container for re-use. For waste disposal, see section 13 of the SDS.

Environmental precautions
Avoid discharge into areas not consistent with package labeling.

7. Handling and storage

Precautions for safe handling
Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities
Store in original tightly closed container. Store away from incompatible materials (see section 10 of the Safety Data Sheet).
8. Exposure controls/personal protection

Occupational exposure limits  Not classified.

Biological limit values  Not classified.

Appropriate engineering controls  Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels to an acceptable level. It is recommended that users of this product perform a risk assessment to determine the appropriate personal protective equipment.

Individual protection measures, such as personal protective equipment

Eye/face protection  Avoid contact with eyes. Wear safety glasses with side shields (or goggles).

Skin protection
  Hand protection  Wear appropriate chemical resistant gloves.
  Other  None.

Respiratory protection  In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards  Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations  When using do not smoke or use chewing tobacco. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

9. Physical and chemical properties

Appearance
  Physical State  Clear liquid.
  Odor  Characteristic.
  Odor threshold  Not available.
  pH  1-2
  Melting/freezing point  28.8°F (-1.8°C) estimated.
  Initial boiling point and boiling range  >212°F (>100°C) estimated.
  Flash point  Not applicable.
  Evaporation rate  Not available.
  Flammability  Not available.
  Flammability Limits
    Upper  Not available.
    Lower  Not available.
  Vapor pressure  Not available.
  Vapor density  Not available.
  Specific gravity (water=1)  1.014
  Solubility in water  Soluble.
  Partition coefficient (n-octanol/water)  Not available.
  Auto-ignition temperature  Not available.
  Decomposition temperature  Not available.
  Viscosity  Not available.
10. Stability and reactivity

Reactivity This product is stable and non-reactive under normal conditions of use.
Chemical stability Material is stable under normal conditions. Store in a cool dark place.
Possibility of hazardous reactions Hazardous polymerization does not occur.
Conditions to avoid Avoid storage in elevated temperatures.
Incompatible materials Bases, amines, metals.
Hazardous decomposition products No hazardous decomposition products occur. In case of fire see section 5.

11. Toxicological information

Information on likely routes of exposure

Ingestion Do not ingest. May be harmful if swallowed.
Inhalation Do not inhale. May cause damage to the upper respiratory tract.
Skin contact Can cause skin irritation with persistent contact.
Eye contact Can cause serious eye damage. Wear appropriate protective clothing (see section 8).

Symptoms related to the physical, chemical and toxicological characteristics

Dermatitis. Rash. May cause an allergic skin reaction.

Acute toxicity Not classified.

<table>
<thead>
<tr>
<th>Product</th>
<th>Route and Species</th>
<th>LD₅₀</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tile &amp; Grout Cleaner (CAS mixture)</td>
<td>Acute Oral, rat</td>
<td>18,000 mg/kg estimated</td>
</tr>
</tbody>
</table>

*Estimates for product may be based on additional component data not shown

Skin corrosion/irritation Not classified.
Serious eye damage/irritation Causes serious eye damage.
Respiratory sensitization Not considered a respiratory sensitizer.
Skin sensitization Not considered a skin sensitizer.
Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity Not considered a carcinogen.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not Listed.

Reproductive toxicity No data available.
Specific target organ toxicity – single exposure No data available.
Specific target organ toxicity – repeated exposure No data available.
Aspiration hazard No data available.

12. Ecological information

Ecotoxicity

<table>
<thead>
<tr>
<th>Product</th>
<th>Species</th>
<th>LC₅₀</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tile &amp; Grout Cleaner (CAS mixture)</td>
<td>Aquatic Fathead Minnow</td>
<td>1,100 mg/L estimated</td>
</tr>
</tbody>
</table>
Persistence and degradability  No data available.
Bioaccumulative potential  Not data available
Partition coefficient n-octanol/water (log $K_{ow}$)  Not available.
Mobility in soil  No data available.
Other adverse effects  Product is not considered environmentally hazardous.

13. Disposal considerations

Disposal instructions  Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations  Dispose in accordance with all applicable regulations
Hazardous waste code  The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues/unused product  Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging  Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may contain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT  Not classified as dangerous goods.

15. Regulatory information

US federal regulations  
SARA 302 Extremely hazardous substance  Not listed.
SARA 304 Emergency release notification  Not listed.
SARA 311/312 Hazard Categories  
Immediate Hazard - Yes
Delayed Hazard – No
Fire Hazard – No
Pressure Hazard – No
Reactivity Hazard – No
SARA 313 (TRI reporting)  Not listed.

16. Other information, including date of preparation or last revision

Issue date  5/20/2015
Revision date  9/29/2017
Version #  1
HMIS® ratings  Health: 1
Flammability: 0
Physical hazard: 0
NFPA ratings

Health: 1
Flammability: 0
Instability: 0

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, and have been obtained from resources believed to be reliable. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information related only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified by the text.

Revision information

Exposure controls/personal protection.