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## 1. Identification:

**Product Identity:** **Phos-Clean Bowl & Tile Cleaner**

**Recommended Use:** Acid Cleaner

**Producer / Distributor**

Multi-Clean
600 Cardigan Road
Shoreview, MN 55126

**Telephone Number for Information:** 651-481-1900

**Emergency Telephone Number:** 800-255-3924

## 2. Hazard Identification:

**Classification:**

| Health Class | Physical Class | Environment Class |
|---|---|---|
| Acute Toxicity Category 5<br>Skin Corrosion Category 1<br>Serious Eye Damage Category 1<br>Specific Target Organ Toxicity Category 3 | Corrosive to Metal | |

**Label**

**Symbols**

**Signal Word** Danger

**Hazard Statements:**

May be harmful if swallowed.
Causes severe skin burns and eye damage.
May cause respiratory irritation.
May be corrosive to metals.

**Precautionary Statements:**

Do not breathe dusts or mists.
Wash hands thoroughly after handling.
Wear protective clothing/eye protection.
Use in a well-ventilated area.
Keep only in original container.
Call a doctor if you feel unwell.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water Wash contaminated clothing before reuse.
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.
Absorb spillage to prevent material damage.
Store locked up, in a well-ventilated place. Keep container tightly closed.
Store in corrosive resistant container with a resistant inner liner.

## 3. Composition/Information on Ingredients

| Ingredient | CAS Number | Percent by Weight |
|---|---|---|
| Phosphoric Acid | 7664-38-2 | 18 - 23 |
| Water | 7732-18-5 | 40 - 100 |

## 4. First-Aid Measures:

**Ingestion:** If Swallowed: Do not induce vomiting. Drink water in large amounts and call a physician immediately. Never give anything by mouth to an unconscious person.

**Eye Contact:** Flush eyes with running water for at least 15 minutes. Obtain medical attention.

**Skin Contact:** Flush thoroughly with cool water. If irritation persists, obtain medical attention. Remove and wash contaminated clothing before reuse.

**Inhalation:** Move to fresh air.

## 5. Fire Fighting Measures:

**Suitable Extinguishing Media:** Not Applicable

**Special Fire Fighting Procedures:** Not Applicable

**Unusual Fire and Explosion Hazards** None are known

## 6. Accidental Release Measures:

Dike and contain spill with inert material (sand, earth, etc.). Collect spill with a mop, absorbent material (example: floor-dry) or vacuum. Thoroughly rinse affected area with water.

## 7. Handling and Storage:

**Handling:** Keep from freezing. Keep out of reach of children.

**Storage:** Normal care for storage.

## 8. Exposure Controls / Personal Protection:

**Exposure Limits:**

| Ingredients | CAS Number | Osha PEL | ACGIH TLV |
|---|---|---|---|
| Phosphoric Acid | 7664-38-2 | 1 mg/M3 | 1 mg/M3 |

**Exposure Controls:**

**Engineering Controls:** Normal good ventilation is sufficient

**Personal Protective Equipment:**

**Eye Protection:** Approved Safety Goggles or Glasses

**Skin Protection:** Chemical Resistant Rubber Gloves

**Respiratory Protection:** Not Required

## 9. Physical and Chemical Properties:

**Physical State:** Liquid

**Appearance:** Pink

**Odor:** Floral/Citrus

**Solubility:** Complete

**Evaporation Rate:** NA

**Vapor Pressure (MM HG):** NA

**Vapor Density (Air = 1):** < 1

**pH:** < 1

**Specific Gravity (H2O = 1):** 1.12

**Flammability:** None

**Flash Point:** None

**Boiling Point:** > 212° F (100°C)

**%volatile:** > 80%

## 10. Stability and Reactivity:

**Chemical Stability:** Stable

**Possibility of Hazardous Reactions:** Reacts violently with strong bases, Reaction with metals produce hydrogen gas which can become explosive.

**Incompatability (Materials to Avoid):** Mild Steel, Aluminum, Strong bases, Marble, Terrazzo, Natural Stone

**Hazardous Decomposition or By-products:** None

**Hazardous Polymerization:** Will not Occur

**Conditions to Avoid:** Do not mix with any other chemicals especially alkaline, bleach or ammonia cleaners, Avoid contact with alkaline materials and reactive metals

## 11. Toxicological Information:

**Signs and Symptoms of Overexposure:** Causes severe skin burns and eye damage.

**Acute Effects:**

**Eye Contact:** Severe Eye damage can result from direct contact.

**Skin Contact:** Causes severe skin burns

**Inhalation:** Mist produces irritation to eyes, nose, throat and skin

**Ingestion:** May be harmful if swallowed

**Target Organ Effects:** None Known

**Chronic Effects:** None Known

**Acute Toxicity Values:**

**Oral LD $_{50}$ =** 2000 - 5000 mg/kg

**Dermal LD $_{50}$ =** 2000 - 5000 mg/kg

**Inhalation (Vapor) LC $_{50}$ =** 20 - 50 mg/l

## 12. Ecological Information:

**Persistence and Degradability:** Not Available

**Bio Accumulative Potential:** Not Available

**Mobility in Soil:** Not Available

**Aquatic Toxicity:** Not Available

## 13. Disposal Considerations:

Material that cannot be used during normal use should be disposed of in accordance with all applicable local, state and federal regulations. Waste from normal cleaning procedures may be neutralized and disposed of in a sanitary sewer depending on the materials and/or contaminants being cleaned as well as local, state and federal sewer regulations.

## 14. Transportation Information:

**UN Number:** UN3264

**Shipping Name:** Corrosive liquid, Acidic, Inorganic, N.O.S. (Phosphoric Acid)
Limited Quantity for 1 Liter or Less inner container.

**Transport Hazard Class:** 8

**Packing Group:** II

**Marine Pollutant:** NO

## 15. Regulatory Information:

**TSCA Status:** All ingredients listed

**Clean Water Act:** Phosphoric Acid (7664-38-2) is listed in the Clean Water Act as a Hazardous Substance.

**Clean Air Act:** None of the chemicals in this product are listed under the CAA

**CERCLA Reportable Quantity:** Phosphoric Acid (7664-38-2), > 5000 lbs.

**SARA Title III Information:**

**Section 302 Extremely Hazardous Chemicals:** None Listed

**Section 311 / 312 Hazard Category:** Immediate Health, Chronic Health

**Section 313 Toxic Chemicals:** None Listed

**State Regulations:** None

**International Regulations:** WHMIS Controlled Product Hazard Class: E

## 16. Other Information:

**Prepared By: Ron Camp**

**Telephone Number: 651-481-1900**

**Revision Date:** 6/7/2013

**Supersedes:** 4/1/2012

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