

**SCALE KLEEN**

**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product Name:** Scale Kleen  
**Product Code:** A0362  
**Recommended Use:** Scale and Lime Deposits Removal

**Company**

Auto-Chlor System  
 746 Poplar Avenue  
 Memphis, TN 38105  
 Questions/Comments: 901-579-2300

**Emergency Telephone Numbers**

**MEDICAL:** 1-866-923-4946 (PROSAR)                      **SPILLS:** 1-800-424-9300 (CHEMTREC)

**2. HAZARDS IDENTIFICATION**

**OSHA Hazard Classification**

**Signal Word:** DANGER  
**Acute Toxicity:** Category 4  
**Skin Corrosion:** Category 1  
**Eye Irritation:** Category 1



**HAZARD STATEMENTS**

H302: Harmful if swallowed  
 H312: Harmful in contact with skin  
 H314: Causes severe skin burns and eye damage

**PRECAUTIONARY STATEMENTS**

P264: Wash hands thoroughly after handling  
 P270: Do not eat, drink or smoke when using this product  
 P280: Wear eye protection and protective gloves

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

INGREDIENTS	CAS NO.	% COMPOSITION
Water	7732-18-5	40.0 – 45.0
Phosphoric Acid	7664-38-2	22.0 – 28.0
Nitric Acid	7697-37-2	18.0 – 23.0
Poloxalene	9003-11-6	<1.0
Urea	57-13-6	<1.0
Dye	25956-17-6	<1.0

#### 4. FIRST AID MEASURES

- Ingestion:** If swallowed, rinse mouth. Do NOT induce vomiting.
- Inhalation:** If inhaled, remove person to fresh air and keep comfortable for breathing.
- Skin Contact:** If on skin, remove immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse.
- Eye Contact:** 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.

#### 5. FIREFIGHTING MEASURES

- Extinguishing Media:** Class A/B/C fire extinguisher, dry chemical, carbon dioxide, or foam
- Specific Hazards:** None known
- Protective Equipment:** Wear full protective clothing and self-contained breathing apparatus

#### 6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** Isolate spill or leak area immediately. Adequately ventilate area.
- Protective Equipment:** Wear appropriate personal protective equipment as specified in Section 8.
- Cleanup Procedures:** Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

#### 7. HANDLING AND STORAGE

- Handling Precautions:** Avoid contact with skin, eyes and clothing. DO not taste or swallow. Wash thoroughly after handling and before eating. FOR INDUSTRIAL AND INSTITUTIONAL USE ONLY.
- Storage:** Protect from freezing. Store locked up. Keep tightly closed in a dry, cool and well ventilated place.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Occupational Exposure Limits:** No occupational exposure limits established for this product.
- Appropriate Engineering Controls:** Good general ventilation should be sufficient to control airborne levels.
- Personal Protective Equipment**
- Eye Protection:** Wear protective glasses, goggles or eye shield.
- Skin Protection:** Wear impervious protective clothing, including gloves and apron.
- Respiratory Protection:** In case of insufficient ventilation, wear suitable respiratory equipment.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<p><b>Appearance:</b> Clear red liquid</p> <p><b>Odor:</b> No characteristic odor</p> <p><b>pH:</b> 0.5 - 0.7</p> <p><b>Specific Gravity:</b> 1.24 – 1.26 g/ml</p> <p><b>Solubility:</b> Soluble in water</p> <p><b>Flash Point:</b> No information available</p> <p><b>Boiling Point:</b> 215°F</p> <p><b>Volatile by Volume:</b> 59.5</p> <p><b>Viscosity:</b> No information available</p> <p><b>Freezing Point:</b> &lt; 40</p>	<p><b>Evaporation Rate:</b> No information available</p> <p><b>Weight % Solids:</b> 40.5%</p> <p><b>Vapor Density:</b> 17.3</p> <p><b>Vapor Pressure:</b> 17.5 at 20°C</p> <p><b>Partition Coefficient:</b> No information available</p> <p><b>Auto-Ignition Temperature:</b> No information available</p> <p><b>Decomposition Temperature:</b> No information available</p> <p><b>Melting/Freezing Point:</b> No information available</p> <p><b>Flammability:</b> No information available</p> <p><b>Lower Explosive / Upper Explosive:</b> No information available</p>
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## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under normal conditions
<b>Hazardous Polymerization:</b>	Will not occur
<b>Incompatibility:</b>	Sodium hypochlorite, strong alkalis and soft metals
<b>Hazardous Decomposition Products:</b>	None reasonably foreseeable

## 11. TOXICOLOGY INFORMATION

<b>Likely Routes of Exposure:</b>	Inhalation, eye and skin contact
<b>Acute Symptoms</b>	
<b>Eye and Skin Contact:</b>	May cause severe burns.
<b>Ingestion:</b>	May cause burns to mouth, throat and stomach.
<b>Inhalation:</b>	May cause irritation and corrosive effects to nose, throat and respiratory tract.
<b>Chronic Effects:</b>	None known

## 12. ECOLOGICAL INFORMATION

When used for its intended purpose this product should not cause adverse effects in the environment.

**13.DISPOSAL CONSIDERATIONS**

No special precautions. Triple rinse empty container with water. Offer for recycling if available. Dispose of according to all local and federal regulations.

**14.TRANSPORT INFORMATION**

**UN Number:** UN3264  
**Proper Shipping Name:** Corrosive Liquid, Acidic, Inorganic, N.O.S., (Phosphoric Acid, Nitric Acid)  
**Hazard Class:** 8  
**Packing Group:** II

**15.REGULATORY INFORMATION**

This product contains the following components which are subject to the reporting requirements of SARA Section 302, SARA Section 313 and/or CERCLA:

Phosphoric Acid, CAS No.: 7664-38-2  
CERCLA: Final RQ = 5,000 lbs

Nitric Acid, CAS No.: 7697-37-2  
CERCLA: Final RQ = 1,000 lbs  
Section 302: Listed  
Section 313: Listed

**16.OTHER INFORMATION**

**Revision Date:** 01/30/15  
**Supersedes:** 02/18/11  
**Reason for Revision:** Updated per GHS Format

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