

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**Appearance:**

Clear red liquid

Odor:

No characteristic odor

pH:

No information available

Specific Gravity:

1.24 – 1.26 g/ml

Solubility:

Soluble in water

Flash Point:

No information available

Boiling Point:

215°F

Volatile by Volume:

59.5

Viscosity:

No information available

Freezing Point:

< 40

Evaporation Rate:

No information available

Weight % Solids:

40.5%

Vapor Density:

17.3

Vapor Pressure:

17.5 at 20°C

Partition Coefficient:

No information available

Auto-Ignition Temperature:

No information available

Decomposition Temperature:

No information available

Melting/Freezing Point:

No information available

Flammability:

No information available

Lower Explosive / Upper Explosive:

No information available

10. STABILITY AND REACTIVITY**Stability:**

Stable under normal conditions

Hazardous Polymerization:

Will not occur

Incompatibility:

Sodium hypochlorite, strong alkalis and soft metals

Hazardous Decomposition Products:

None reasonably foreseeable

11. TOXICOLOGY INFORMATION**Likely Routes of Exposure:**

Inhalation, eye and skin contact

Acute Symptoms**Eye and Skin Contact:**

May cause severe burns.

Ingestion:

May cause burns to mouth, throat and stomach.

Inhalation:

May cause irritation and corrosive effects to nose, throat and respiratory tract.

Chronic Effects:

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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