

## MACHINE DETERGENT 2

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Machine Detergent 2  
**Product Code:** A0025  
**Recommended Use:** Concentrated Hard Water Machine Dishwashing Detergent

#### 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	70.0– 75.0
Sodium Nitrilo –triacetate, monohydrate	18662-53-8	13.0 – 16.0
Sodium Hydroxide	1310-73-2	2.0 – 4.0
Polyacrylic Acid	66019-18-9	3.0 – 5.0
Sodium Silicate	1344-09-8	1.0 – 3.0
1-hydroxyethylidene-1,1-diphosphonic acid	2809-21-4	1.0 – 3.0
Dye	3734-67-6	< 1.0

### 4. FIRST AID MEASURES

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

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

### 6. ACCIDENTAL RELEASE MEASURES

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

### 7. HANDLING AND STORAGE

<b>Handling Precautions:</b>	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.
<b>Storage:</b>	Protect from freezing. Store locked up. Keep tightly closed in a dry, cool and well ventilated place.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:**

Clear red liquid

**Odor:**

No information available

**pH:**

12.1

**Specific Gravity:**

1.20 g/ml

**Solubility:**

Soluble in water

**Flash Point:**

No information available

**Boiling Point:**

No information available

**VOC:**

No information available

**Viscosity:**

No information available

**Odor Threshold:**

No information available

**Evaporation Rate:**

No information available

**Odor Threshold:**

No information available

**Vapor Density:**

No information available

**Vapor Pressure:**

No information available

**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:**

Acids

**Hazardous Decomposition Products:**

Oxides of carbon

## 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:** Not classified  
**Proper Shipping Name:** Not classified  
**Hazard Class:** Not classified  
**Packing Group:** Not classified

### 15.REGULATORY INFORMATION

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

Potassium Hydroxide, CAS No.: 1310-58-3  
 CERCLA Final RQ: 1,000 lbs

#### California Cleaning Product Right to Know Act of 2017 (SB 258)

This regulation applies to this product.

INGREDIENTS	CAS NO.	FUNCTION
Water	7732-18-5	Solvent
Sodium Nitrilo –triacetate, monohydrate	18662-53-8	Chelant
Sodium Hydroxide	1310-73-2	pH Adjuster
Polyacrylic Acid	66019-18-9	Polymer
Sodium Silicate	1344-09-8	Builder
1-hydroxyethylidene-1,1-diphosphonic acid	2809-21-4	Surfactant
Dye	3734-67-6	Colorant

### 16.OTHER INFORMATION

**Revision Date:** 01/01/2020  
**Supersedes:** 02/09/2018  
**Reason for Revision:** Added California Right to Know Act regulations.

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