

## MACHINE DETERGENT MS

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Machine Detergent MS  
**Recommended Use:** Mechanical Warewashing 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 1C  
**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	28.0 – 32.0
Sodium Silicate	1344-09-8	28.0 – 32.0
Potassium Hydroxide	1310-58-3	10.0 – 15.0
Triphosphoric Acid, sodium salt	7758-29-4	5.0 – 10.0
Polyacrylic Acid	Mixture	1.0 – 5.0
Sodium Tolyltriazole	64665-57-2	<1.0
Dye	3734-67-6	<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:**

>13

**Specific Gravity:**

1.34 g/ml

**Solubility:**

Soluble in water

**Flash Point:**

No information available

**Boiling Point:**

> 200°F

**VOC:**

No information available

**Viscosity:**

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

## 10. STABILITY AND REACTIVITY

**Stability:**

Stable under normal conditions

**Hazardous Polymerization:**

Will not occur

**Incompatibility:**

Strong acids

**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:** UN3266  
**Proper Shipping Name:** Corrosive Liquid, Basic, Inorganic, N.O.S., (Potassium Hydroxide, Sodium Silicate)  
**Hazard Class:** 8  
**Packing Group:** II

### 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

Triphosphoric Acid, sodium salt, CAS No. 7758-29-4  
 CERCLA Final RQ: 5,000 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 Silicate	1344-09-8	Builder
Potassium Hydroxide	1310-58-3	pH Adjuster
Triphosphoric Acid, sodium salt	7758-29-4	Builder
Polyacrylic Acid	Mixture	Polymer
Sodium Tolyltriazole	64665-57-2	Cleaning Enhancer
Dye	3734-67-6	Colorant

### 16.OTHER INFORMATION

**Revision Date:** 01/01/2020  
**Supersedes:** 08/27/2015  
**Reason for Revision:** Added California Right to Know Act regulations.

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