SAFETY DATA SHEET

MACHINE DETERGENT 4X

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Machine Detergent 4X
Product Code: A1038
Recommended Use: Mechanical 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
Eye Corrosion: Category 1
Skin 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
P301/312: If swallowed, call a poison center/doctor if you feel unwell.
P303/P361/P353: If on skin, take off immediately all contaminated clothing. Rinse skin with water.
P305: If in eyes, rinse cautiously with water for Several minutes. Remove contact lenses, if Present and easy to do. Continue rinsing.

P310: Immediately call a poison center or doctor.

P330: Rinse mouth.
P302/P352: If on skin, wash with of water.
P362/P364: Take off contaminated clothing and wash it before reuse.

3. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	CAS NO.	% COMPOSITION
Sodium Hydroxide	1310-73-2	15.0 – 20.0

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 (1%):
12.6-12.70

Specific Gravity:
1.29-1.31 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 or nitrogen

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., (Sodium Hydroxide)
Hazard Class: 8
Packing Group: PGII

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:

Sodium Hydroxide, CAS No.: 1310-73-2
CERCLA Final RQ: 1,000 lbs

16.OTHER INFORMATION

Revision Date: 06/26/26
Supersedes: 09/30/25
Version: A1038-03
Reason for Revision: Reformulation

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