



MACH RINSE AID (AUTO-CHLOR)

HMIS		NFPA	Personal protective equipment
Health	2	2	None Required
Fire Hazard	0	0	
Reactivity	0	0	

Version Number: 2

Preparation date: 2005-01-19

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: MACH RINSE AID (AUTO-CHLOR)

MSDS #: 226502413001

Product code: 226502413001

Recommended use: Warewashing product.

Manufacturer, importer, supplier:

Auto Chlor Systems
746 Poplar Ave.
Memphis, TN 38105

Emergency telephone number: 1-800-851-7145 (Prosar); 1-651-917-6133 (Int'l Prosar); 01-800-710-3400 (México)

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

CAUTION. MAY CAUSE EYE IRRITATION .

Principle routes of exposure:

Eyes. Skin. Inhalation.

Skin contact:

May be mildly irritating to skin.

Eye contact:

Moderately irritating to the eyes.

Inhalation:

May be irritating to nose, throat, and respiratory tract.

Ingestion:

May be irritating to mouth, throat and stomach.

3. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS

Ingredient	CAS #	Weight %	LD50 Oral	LD50 Dermal	LC50 Inhalation
2-Ethylhexyl sodium sulphate	126-92-1	10 - 20%	Not available	Not available	Not available
Linear alcohol ethoxylate / propoxylate	68439-51-0	20 - 30%	Not available	Not available	Not available
Cinnamic aldehyde	104-55-2	0.1 - 1.5%	2220 mg/kg (rat)	Not available	Not available

4. FIRST AID MEASURES

Eye contact:

Flush immediately with plenty of water. If irritation persists, get medical attention.

Skin contact:

Flush immediately with plenty of water. If irritation persists, get medical attention.

Inhalation:

If breathing is affected, remove to fresh air. Get medical attention.

Ingestion:

Immediately drink one cupful of water or milk. Never give anything by mouth to an unconscious person.

Get medical attention.

Aggravated Medical Conditions:

Persons with pre-existing skin disorders may be more susceptible to irritating effects

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

Use dry chemical, CO₂, water spray or "alcohol" foam.

Specific hazards:

Not applicable

Unusual hazards:

None known

Specific methods:

No special methods required

Special protective equipment for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

Extinguishing media which must not be used for safety reasons:

No information available

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Use personal protective equipment

**Environmental precautions
and clean-up methods:**

Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Use a water rinse for final clean-up .

7. HANDLING AND STORAGE

Handling:

Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Remove and wash contaminated clothing and footwear before re-use. Use only with adequate ventilation. Mix only with water . Do not mix with any other product or chemical . FOR COMMERCIAL AND INDUSTRIAL USE ONLY.

Storage:

Protect from freezing . Keep tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures to reduce exposure:

Good general ventilation should be sufficient to control airborne levels . Respiratory protection is not required if good ventilation is maintained .

Personal Protective Equipment

Eye protection:

No special requirements under normal use conditions

Hand protection:

No special requirements under normal use conditions

Skin and body protection:

If major exposure is possible, wear suitable protective clothing and footwear.

Respiratory protection:

No special requirements under normal use conditions

Hygiene measures:

Handle in accordance with good industrial hygiene and safety practice

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid

Appearance: Liquid

Color: Blue

Boiling point/range: >200 (°F)>100 (°C)

Odor: Slight

Melting point/range: Not determined

Specific gravity: 1.030 g/cc

pH: 7.0

Dilution pH: 5.5-7.5

Density: 1.030 g/ml

Bulk density: 8.58 lb/gal

Decomposition temperature: Not determined

Vapor density: No information available

Autoignition temperature: No information available

Evaporation rate: No information available

Solubility: Soluble

Solubility in other solvents: No information available

VOC: 0

Viscosity: No information available

Flash point: >200 (°F) >100 (°C)

Partition coefficient (n-octanol/water): No information available

10. STABILITY AND REACTIVITY

Stability:

The product is stable

Polymerization:

Hazardous polymerisation does not occur

Hazardous decomposition products:

None reasonably foreseeable

Materials to avoid:

Oxidising agents.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Oral, LD50 estimated to be greater than 5000 mg/kg.

Component Information:

See Section 3

Chronic toxicity:

None known

Specific effects

Carcinogenic effects:

None known

Mutagenic effects:

None known

Reproductive toxicity:

None known

Target organ effects:

None known

12. ECOLOGICAL INFORMATION

Environmental Information:

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

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products:

Dispose of according to all federal, state and local applicable regulations

14. TRANSPORT INFORMATION

DOT/TDG: Please refer to the Bill of Lading/receiving documents for up to date shipping information

15. REGULATORY INFORMATION

International Inventories

All components of this product are listed on the following inventories: U.S.A. (TSCA), Canada (DSL/NDSL), Australia (AICS), Korea (ECL), Philippines (PICCS), China (IECSC).

U.S. Regulations

California Proposition 65: This product is not subject to the reporting requirements under California's Proposition 65

STATE RIGHT TO KNOW

Ingredient	CAS #	MARTK:	NJRTK:	PARTK:	RIRTK:	ILRTK:	CTRTK:
Cinnamic aldehyde	104-55-2	-	-	-	-	-	-
Linear alcohol ethoxylate / propoxylate	68439-51-0	-	-	-	-	-	-
Water	7732-18-5	-	-	-	-	-	-
Oxirane, methyl-, polymer with oxirane, monobutyl ether	9038-95-3	-	-	-	-	-	-
2-Ethylhexyl sodium sulphate	126-92-1	-	-	-	-	-	-

CERCLA / SARA

CAA HAP/CAA ODS/CWA Priority Pollutants: None

SARA 311/312 Hazard Categories

Immediate: Yes

Canada

WHMIS hazard class: D2B Toxic materials .



16. OTHER INFORMATION

Reason for revision: Not applicable
Prepared by: NAPRAC
Additional advice: None

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