

Material Safety Data Sheet - Full Disclosure



MACH RINSE AID PLUS (AUTO-CHLOR)

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

Version Number: 1

Preparation date: 2005-02-14

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: MACH RINSE AID PLUS (AUTO-CHLOR)

MSDS #: 365102421000001

Product code: 365102421000001

Recommended use: No information available

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
Citric acid	77-92-9	5 - 10%	3 g/kg (rat)	Not available	Not available
Benzene	71-43-2	0.001 - 0.1%	930 mg/kg (rat)	9.4 mL/kg (rabbit)	6.5 mL/kg (rat)
Toluene	108-88-3	0.001 - 0.1%	636 mg/kg (rat)	14.1 mL/kg (rabbit)	49 g/m ³ (rat)

NON-HAZARDOUS COMPONENTS

Ingredient	CAS #	Weight %	LD50 Oral	LD50 Dermal	LC50 Inhalation
Magnesium nitrate	10377-60-3	0.001 - 0.1%	Not available	Not available	Not available
Water	7732-18-5	40 - 60%	500 mg/kg (rat)	Not available	Not available
Sodium xylene sulfonate	1300-72-7	5 - 10%	Not available	Not available	Not available
Sodium sulfate	7757-82-6	0.1 - 1.5%	5989 mg/kg (mouse)	Not available	Not available
Polyoxypropylene-polyoxyethylene block copolymer	9003-11-6	5 - 10%	Not available	Not available	Not available
Phosphoric acid	10294-56-1	0.1 - 1.5%	Not available	Not available	Not available
Phosphonic acid	2809-21-4	1 - 5%	2400 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. Get medical attention if irritation occurs.

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: Prevent product from entering drains. Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal. Use a water rinse for final clean-up .

7. HANDLING AND STORAGE

Handling:

Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. 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:

No special ventilation requirements . General room ventilation is adequate .

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:	1.080 g/cc	pH:	1.85
Dilution pH:	2.5	Density:	1.080 g/ml
Bulk density:	9.73 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: Strong bases. Do not mix with chlorinated products .

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

RCRA Hazard Class: D002

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:
Citric acid	77-92-9	-	-	-	-	-	-
Water	7732-18-5	-	-	-	-	-	-
Sodium xylene sulfonate	1300-72-7	-	-	-	-	-	-
Polyoxypropylene-polyoxyethylene block copolymer	9003-11-6	-	-	-	-	-	-
Phosphonic acid	2809-21-4	-	-	-	-	-	-

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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