



MACH WASHMATE LIQUID 2

HMIS		NFPA	Personal protective equipment		
Health	3	3	  		
Fire Hazard	0	0			
Reactivity	1	1			

Version Number: 2

Preparation date: 2004-09-24

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: MACH WASHMATE LIQUID 2
MSDS #: 3336669
Product code: 3336669
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

DANGER. CORROSIVE. CAUSES EYE AND SKIN BURNS . HARMFUL OR FATAL IF SWALLOWED.

Principle routes of exposure: Eyes. Skin. Inhalation.
Skin contact: Corrosive. May cause permanent damage.
Eye contact: Corrosive. Causes permanent eye damage, including blindness.
Inhalation: May cause irritation and corrosive effects to nose, throat and respiratory tract.
Ingestion: Corrosive. Causes burns to mouth, throat and stomach.

3. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS

Ingredient	CAS #	Weight %	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium hydroxide	1310-73-2	30 - 40%	Not available	Not available	Not available

4. FIRST AID MEASURES

Eye contact: Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention immediately.
Skin contact: Flush immediately with plenty of water for at least 15 minutes. Get medical attention immediately.
Inhalation: If breathing is affected, remove to fresh air. Get medical attention immediately.
Ingestion: Do not induce vomiting. Immediately drink one cupful of water or milk. Never give anything by mouth to an unconscious person. Get medical attention immediately.
Aggravated Medical Conditions: Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc., may be more susceptible to irritating effects .

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Dry chemical, water spray, foam, carbon dioxide.
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. Wear goggles, protective clothing, and gloves. Wash thoroughly after handling. Do not taste or swallow. Avoid breathing vapors or mists. Use only with adequate ventilation. Remove and wash contaminated clothing before re-use. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.
Storage:
Keep tightly closed in a dry, cool and well-ventilated place. Protect from freezing.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures:
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: Chemical splash goggles.
Hand protection: Chemical resistant gloves. Includes: Neoprene gloves.
Skin and body protection: If major exposure is possible, wear suitable protective clothing and footwear.
Respiratory protection: Use only in well-ventilated areas. In case of insufficient ventilation wear suitable respiratory equipment.
Hygiene measures: Handle in accordance with good industrial hygiene and safety practice

Ingredient	CAS #	ACGIH	OSHA	Mexico
Sodium hydroxide	1310-73-2	2 mg/m ³ (Ceiling)	2 mg/m ³ (CEILING)	2 mg/m ³ (Ceiling)

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Not determined	Appearance:	No information available
Colour:	Dark Brown	Boiling point/range:	>200 (°F)>100 (°C)
Odour:	No information available	Melting point/range:	not determined not determined
Specific Gravity:	1.43 g/cc	pH:	13
Dilution pH:	12.5	Density:	1.43 g/ml
Bulk density:	12.1 lb/gal	Decomposition temperature:	not determined
Vapour 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: Acids. Oxidising agents.
Conditions to avoid: None known.

11. TOXICOLOGICAL INFORMATION

Acute toxicity Oral, LD50 estimated to be between 200 - 2000 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:
Water	7732-18-5	-	-	-	-	-	-
Sodium hydroxide	1310-73-2	Listed	Listed	Listed	Listed	Listed	Listed
Phosphonic acid, [nitrilotris(methylene)] tris-, sodium salt	20592-85-2	-	-	-	-	-	-

CERCLA / SARA

Ingredient	CAS #	Weight %	RQ	Section 302/TPQs	Section 313
Sodium hydroxide	1310-73-2	30 - 40%	1000 LBS		

Canada

WHMIS hazard class: E Corrosive material .



16. OTHER INFORMATION

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

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