

## PRODUCT: CORRECT DISHWASH MACHINE LIQUID

24 Hour Emergency Phone USA: Chemtrec 1-800-424-9300

### Section 1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer:

USE: Liquid Machine Dish Wash Detergent

Issuing Date:

### Section 2 HAZARD IDENTIFICATION

**Route of Entry:** Eyes, Skin, Inhalation

**Target Organs:** Eyes, Skin, Respiratory System

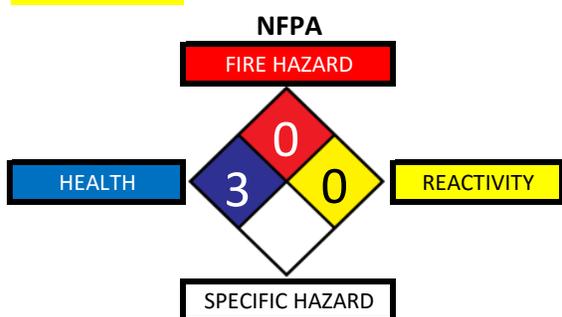
**Inhalation:** Can cause irritation and inflammation of the respiratory tract.

**Skin Contact:** Irritating to skin; many cause burns, blisters and itching.

**Eye Contact:** Irritating to eyes; eye damage or blindness may occur

**Ingestion:** Irritation to the intestinal tract; may cause burns, vomiting, stomach pain, and disorientation

**Hazard Statement:** Causes severe skin burns and eye damage. Harmful to aquatic life with long lasting results. Harmful if swallowed.



**Hazard Class:** 1A Corrosive

**Signal Word:** Danger

**GHS Hazard Pictograms:**



**HAZARD INDEX**

4 Severe      1 Slight  
3 Serious      0 Minimal  
2 Moderate

**PERSONAL PROTECTION INDEX**

A	B	C	D	E	F	G	H	I	J	K	X
						Consult your supervisor or S.O.P. for special handling directions.					

HMIS III Hazardous Material Information System (USA)		
HEALTH		3
FLAMMABILITY		0
PHYSICAL HAZARD		0
PERSONAL PROTECTION		
<b>B</b>	SEE ARROW TO LEFT	
<b>Also see Section 8</b>		

#### Precautionary Statements:

**Prevention:** Keep only in original container. Wash after handling. Avoid release to the environment. Do not breath dust/spray/fumes. Wash exposed areas thoroughly after handling. Wear protective gloves/eye protection **AND** additional protection as conditions dictate. Contact our office, if necessary.

**Response:** **IF IN EYES:** Rinse cautiously with clear water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice/attention. **IF ON SKIN (or hair) :** Take off immediately all contaminated clothing. Rinse skin with water/shower. **IF INHALED:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. **IF INGESTED:** Rinse mouth. Do not induce vomiting. **IN ALL INSTANCES: Immediately call a POISON CENTER or physician.**

**Storage:** Keep sealed tightly in original container. Avoid release to the environment. Store locked up.

**Disposal:** Dispose of contents and container in accordance with all local, regional, national and international regulations.

### Section 3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient(s)	Concentration Range %	CAS#
Sodium Hydroxide	10 to 30	1310-73-2
Modified Polyethoxylated Alcohol	10 to 30	68603-25-8

% and ingredients are being withheld as trade secret information. Information will be disclosed as necessary to authorized individuals.

**Section 4 FIRST AID MEASURES**

- Eye Contact:** Rinse cautiously with clear water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately
- Skin Contact:** Take off immediately all contaminated clothing. Rinse skin with water or shower. Get medical attention immediately. Wash clothing before reuse. Clean shoes thoroughly before reuse OR REPLACE.
- Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention immediately.
- Ingestion:** Get medical attention immediately. Rinse mouth. Do not induce vomiting.

**Section 5 FIRE FIGHTING MEASURES**

- Extinguishing Media:** Use water, spray or foam
- Specific Hazards arising from the chemical(s):** This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
- Hazard Decomposition Products:** Decomposition products may include the following materials: Carbon dioxide, carbon monoxide, phosphorus oxides, metal oxide/oxides.
- Special Fire Fighting Methods:** Appropriate for surrounding materials. Fire fighters should wear appropriate protective equipment. No action should be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth to mouth resuscitation. Immediately remove contaminated clothing. Wash clothing before reuse.

**Section 6 ACCIDENTAL RELEASE MEASURES**

- Personal Precautions:** Use personal protective equipment recommended in Section 8.
- Environmental Precautions:** Keep spills away from storm drains, surface water and soil
- Spill and Leaks:** Small Spills - Rinse to drain. Large Spills - Contain for reclamation or disposal. Neutralize with dilute acid, preferable acetic acid.
- Caution:** Spills of this material may cause floor to become slippery. Dusts and powder can land on skin and adsorb moisture causing burns. **Use Personal Protective Equipment (PPE). SEE SECTION 2**

**Section 7 HANDLING AND STORAGE**

- Handling:** Do not get in eyes or on skin or clothing. Use only with adequate ventilation. Wash thoroughly after handling. Do not let untrained persons handle or use this product.
- Storage:** Keep out of reach of children. Keep container(s) tightly closed. Store between 50 and 90 degrees F. Keep in a locked or secure place.

**Section 8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

<b>Ingredient Exposure Limits</b>	<b>OSHA PEL</b>	<b>ACGIH TLV</b>
Sodium Hydroxide (<30% in product)	2mg/m <sup>3</sup>	2mg/m <sup>3</sup>

**Personal Protection Equipment (PPE) SEE SECTION 2**

- Eyes:** Wear chemical goggles and face shield
- Skin:** Neoprene gloves. Rubber apron if greater exposure is likely
- Respiratory:** Use in good general ventilated area. Respirator is not normally required.

**Section 9 PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical State:</b>	Liquid	<b>Explosion Limits:</b>	Not available
<b>Odor:</b>	Slight	<b>Flammability:</b>	Not available
<b>Color:</b>	Orange/Red	<b>Melting Point:</b>	Not available
<b>pH at 100%:</b>	13.0 - 14.0	<b>Initial Boiling Point:</b>	Not available
<b>Freezing Point:</b>	Not available	<b>Evaporation Rate:</b>	Not available
<b>Flash Point:</b>	Not available	<b>Vapor Pressure:</b>	Not available
<b>Flammability:</b>	Not available	<b>Bulk Density:</b>	1.20 - 1.275
<b>Vapor Density:</b>	Not available	<b>Decomposition Temperature:</b>	Not available
<b>Solubility in Water:</b>	Not available	<b>Partition Coefficient:</b>	Not available
<b>Auto Ignition Temperature:</b>	Not available		

**Section 10 STABILITY AND REACTIVITY**

<b>Stability:</b>	The product is stable.
<b>Conditions to Avoid:</b>	Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Materials to Avoid:</b>	Extremely reactive or incompatible with the following materials: Acids. Highly reactive or incompatible with the following materials: metals. Reactive or incompatible with the following materials: organic materials.
<b>Hazardous Decomposition Products:</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**Section 11 TOXICOLOGICAL INFORMATION**

**Route of Exposure:** Skin contact, eye contact, Ingestion

**SYMPTOMS**

<b>Eye contact:</b>	Adverse symptoms may include pain, watering, redness
<b>Skin contact:</b>	Adverse symptoms may include, pain or irritation, redness, or blistering may occur.
<b>Inhalation:</b>	Adverse symptoms may include coughing, respiratory tract irritation
<b>Ingestion:</b>	Adverse symptoms may include stomach and throat pain.

**ACUTE TOXICITY**

<b>Eye contact:</b>	Causes serious/ permanent eye damage
<b>Skin contact:</b>	Causes serious burns.
<b>Inhalation:</b>	May give off gas, vapor or dust that is very irritating or corrosive to the respiratory system.
<b>Ingestion:</b>	May cause burns to mouth, throat and stomach.

**TOXICITY DATA**

None available on this mixture. For information on ingredients write to the address in Section 1 of this SDS.

**Section 12 ECOLOGICAL INFORMATION**

<b>Ecological Toxicity:</b>	No data is available on this mixture.
<b>Biodegradability:</b>	The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as per Regulation (EC) No. 648/2004 on detergents.
<b>Phosphates:</b>	Contained in product.

**Section 13 DISPOSAL CONSIDERATION**

<b>Disposal methods:</b>	Avoid disposal. Attempt to use product completely in accordance with intended use. Disposal should be in accordance with applicable Federal, State, and Local regulations.
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**Section 14 TRANSPORTATION INFORMATION**

**ADR/RID/IMD/ICAO/US DOT Hazardous Material Class:** UN 1824, Sodium Hydroxide Solution, Class 8, PG II

**Section 15 REGULATORY INFORMATION**

EPA SARA Title III Section 312 (40CFR 370) Hazard Classification of Ingredients:

Acute Health Hazard

no

California Proposition 65:

No listed substances.

**Section 16 OTHER INFORMATION**

**HAZARD INDEX**

4 Severe	1 Slight
3 Serious	0 Minimal
2 Moderate	

**PERSONAL PROTECTION INDEX**

<p>A </p> <p>B </p> <p>C </p> <p>D </p> <p>E </p> <p>F </p>	<p>G </p> <p>H </p> <p>I </p> <p>J </p> <p>K </p> <p>X Consult your supervisor or S.O.P. for special handling directions.</p>
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A	N	O	P	Q	R
Safety Glasses	Splash Goggles	Face Shield & Eye Protection	Gloves	Boots	Synthetic Apron
S	T	U	W	Y	Z
Full Suit	Dust Respirator	Vapor Respirator	Dust & Vapor Respirator	Full Face Respirator	Airline Hood or Mask

**HMIS III**

Hazardous Material  
Information System (USA)

HEALTH		3
FLAMMABILITY		0
PHYSICAL HAZARD		0
PERSONAL PROTECTION		
<b>B</b>	SEE ARROW TO LEFT	
Also see Section 8		

See Sections 2 and 8

**NFPA**

FIRE HAZARD		0		0
HEALTH	3	0	0	0
SPECIFIC HAZARD				
REACTIVITY				

Prepared by: Regulatory Affairs

Notice to Reader:

All information appearing herein is based on data obtained from the raw material manufacturer and/or recognized technical sources. While the information contained in this SDS is believed, to the best of our knowledge, to be true and accurate, the author makes no representations as to its accuracy or sufficiency. Conditions of use are beyond the manufacturer's control. Users of this product are responsible to verify this data under their own use conditions, applications, methods and regulations to determine if this product is suitable for their particular use(s) and purpose(s). The users assume all risks of product use, handling, disposal, reliance upon, publication or use of the information contained herein. This information applies only to the product designated above and does not necessarily apply to its use in combination or conjunction with other materials, products, chemical compounds, structures processes or uses. As data, standards and regulations change, AND conditions of handling and use are beyond our control, no warranty, expressed or implied, is made as to the completeness or continuing accuracy of this information. Manufacturer assumes no responsibility for injury from the use of this product described herein.