

*KITCHEN KLEEN product line*

# CHLORGLO LIQUID

## Chlorinated Heavy Duty Machine Dish Washing Liquid

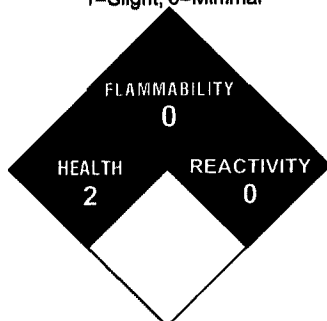
Appearance ..... Clear Yellow Liquid  
Odor ..... Chlorine  
pH (1% soln.) ..... 12.5  
Solubility ..... Complete



**Biodegradable**

Manufactured to  
ISO 9002  
Specifications

**NFPA 704 Hazard Rating:**  
4=Extreme, 3=High, 2=Moderate  
1=Slight, 0=Minimal



**Rating for this product:**

Health ..... 2 ..... Hazardous  
Fire ..... 0 ..... Will Not Burn  
Reactivity ... 0 ..... Stable

**EMERGENCY: (800) 535-5053**

**24 Hour MSDS Information**

**Other Useful Products:**

<b>PRODUCT NAME</b>	<b>PROD CODE</b>
Lime Gone .....	R0500
phosphoric scale & lime remover	
Stainless Steel Pre .....	P3000
powdered presoak for utensils	
Rapid Rinse .....	R2501
liquid rinse aid for high temp machines	

### DESCRIPTION

- CHLORGLO LIQUID is formulated with builders, chlorine, and sodium hydroxide that penetrate and dissolve grease, fat, egg, milk, lipstick, stains, and food residues quickly and completely.
- Use it on dishes, china, glasses, plastic, and stainless steel flatware. Not for use on aluminum or other soft metals.
- CHLORGLO LIQUID also helps reduce lime and scale buildup.
- Its combination of alkalies and chlorine provides controlled release of chlorine to bleach stains, penetrate and break down dried food residues, egg, grease, lipstick, coffee and tea so that they are more readily flushed away by the wash action of your machine.
- CHLORGLO LIQUID contains water conditioning agents so it works in hard or soft water and always leaves dishes sparkling and residue-free. And it's *biodegradable*.

### DIRECTIONS

Concentrations will vary according to water hardness, soil load, water temperature, and machine efficiency.

For use in high (above 160°F) and low temperature (140-160°F) machine dishwashers.

**Light soil and/or in soft water:** Use 1/3 ounce per gallon of hot water. This provides 93 ppm of available chlorine.

**General soil load and/or hard water:** Use 1/2 ounce per gallon of hot water. This provides 140 ppm of available chlorine.

**Extra heavy soils and/or extra hard water:** Use 1 ounce per gallon of hot water. This provides 280 ppm of available chlorine.

Dispense CHLORGLO LIQUID through a parastatic pump system. This assures optimum detergent use, uniform results and eliminates human error and waste. Please call your distributor or EXSL if you have any questions on setting this up.

### DIRECTIONS

Using a high temperature rinse aid (Rapid Rinse or equivalent) will shorten drying time and assure spot and streak-free dishes and glasses.

#### **A Word About Warewashing Costs**

On average, only about 6% of the warewashing dollar is spent for warewashing detergents and dishroom environmental sanitation products. The big costs are labor, breakage and overhead. Yet the use of a more effective detergent, in addition to providing better results, reduces the major costs of labor and breakage by minimizing rejects and handling. Thus buying warewashing detergents on a price-per pound basis without considering usage cost is poor economy.

"Rejects" of knives, forks and spoons are notoriously high in many eating places. So before you wash, presoak the utensils in the right detergent. This forever eliminates the problem of dried-on soils and even removes tarnish or "blue haze" — all in one step.

### DANGER

Harmful if swallowed. Causes severe burns to skin and eyes. Contains potassium hydroxide and sodium hypochlorite. Avoid contact with skin, eyes, mucous membranes and clothing. When handling wear rubber or plastic gloves. Do not mix with acids. Use adequate local exhaust ventilation.

#### **EMERGENCY FIRST AID PROCEDURES**

**EYES:** Flush with water for 15 minutes then seek medical attention. Washing eyes within one minute is essential to minimizing eye damage. Hold eyelids apart to ensure flushing of the entire area.

**SKIN:** Flood with water for 15 minutes, then wash with vinegar. Remove contaminated clothing and footwear and wash before reusing. Seek medical attention.

**INGESTION:** DO NOT induce vomiting. Give large quantities of water follow with citrus fruit juice. If vomiting occurs, keep airways clear and give fluids again. Seek medical attention.

**INHALATION:** Move person to fresh air and away from exposure. If breathing is difficult, seek medical attention.

**KEEP OUT OF REACH OF CHILDREN**

### EXSL

**FORMULAS THAT MEET THE CHALLENGE**

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HAYWARD, CA 94544 • 510-324-4567

# MATERIAL SAFETY DATA SHEET

**EMERGENCY: (800) 535-5053**

**Product Name: Chloglo Liquid**

**Manufactured by: EXSL/Ultra Labs, Inc.**

**Product Code: P4400**

**Effective Date: 11/30/04**

**Proper Shipping Name: Potassium hydroxide, solution, 8, UN1814, PG II, E.R.G. #154**

**Supersedes: 7/12/01**

## HAZARDOUS INGREDIENTS

	CAS#	PCNT%	TWA	STEL	SARA III	PROP 65	Carcinogen
Potassium Hydroxide	1310-58-3	10.00	2 mg/m <sup>3</sup>	None	No	No	No
Sodium Hypochlorite	7681-52-9	2.50	2 mg/m <sup>3</sup>	None	No	No	No

## PHYSICAL DATA

**Bolling Point:** 200° F  
**Specific Gravity:** 1.239  
**Appearance & Odor:** Clear Yellow Liquid, Chlorine Odor

**pH:** (1% Soln) 12.5  
**Evaporation Rate:** Not Avail.  
**Reactivity in Water:** None

**Viscosity:** 20 cps  
**Solubility:** Complete  
**Melting Point:** Not App.

**Vapor Pressure:** Not Avail.  
**Vapor Density:** 1.0  
**Volatiles:** Not Avail.

## FIRE & EXPLOSION DATA

**Health:** ..... 2 ..... Hazardous  
**Fire:** ..... 0 ..... Will Not Burn  
**Reactivity:** ..... 0 ..... Stable

**NFPA 704 Hazard Rating**  
4 = Extreme, 3 = High, 2 = Moderate  
1 = Slight, 0 = Minimal

**Flash Point:** None (Cleveland Open Cup)  
**Flammability Levels (LEL/UEL):** Not Avail.

**Extinguishing Media:** ..... This product is not combustible. Use water spray, foam, carbon dioxide, or dry chemical.

**Fire & Explosion Hazard:** ... None.

**Conditions to Avoid:** ..... Open flames, welding arcs or other high temperature sources that induce thermal decomposition, which produce toxic fumes.

## REACTIVITY DATA

**Materials to Avoid:** Strong acids.

**Stability:** Stable

**Hazardous Decomposition Products:** None

**Hazardous Polymerization:** Will not occur.

## HEALTH HAZARDS

**Eye Contact:** ..... Causes severe burns. Prolonged and repeated contact can cause blindness.

**Skin Contact:** ..... Causes severe burns and is destructive to tissue.

**Ingestion:** ..... Can cause severe burns and complete tissue perforation of mucous membranes of the mouth, throat, esophagus and stomach.

**Inhalation:** ..... Spray or mist can burn the upper respiratory tract.

## FIRST AID

**Eyes:** ..... Flush out immediately for at least 20 minutes with running water and seek medical attention. Washing eyes within one minute is essential to minimizing eye damage. Hold eyelids apart to ensure flushing of the entire surface.

**Skin:** ..... Immediately wash with plenty of water for at least 15 minutes. Remove contaminated clothing and footwear and wash before reusing. Seek medical attention.

**Ingestion:** ..... Never give anything to an unconscious person. If swallowed, **do not** induce vomiting. Give large quantities of water or milk. If vomiting occurs, keep airways clear. Seek medical attention.

**Inhalation:** ..... Move person to fresh air and away from exposure. If breathing is difficult, administer oxygen and seek medical attention. Give artificial respiration if victim is not breathing.

## SPILL OR LEAK PROCEDURES

**Steps to Contain:**

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop leaks if you can do it without risk. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing (rubber boots and gloves). Contain spills with dry earth, sand or other non-combustible material and transfer to containers. Sweep up powder spills and transfer to containers. **DO NOT GET WATER INSIDE CONTAINERS.**

## Recommended Waste Disposal Method:

The materials resulting from the clean up may be hazardous waste and, therefore, subject to specific regulations. Package, store, transport, and dispose all clean-up materials and any contaminated equipment in accordance with all applicable federal, state, and local health environmental regulations. Shipments of waste materials are subject to manifesting requirements per applicable regulations. Ensure that all responsible federal, state, and local agencies receive proper notification of spills and disposal methods.

## SPECIAL PROTECTION & PRECAUTIONS

**Respiratory:** ..... None under normal use conditions.

**Eye:** ..... Goggles or face shield.

**Storage:** ..... Keep in a cool, dry place.

**Clothing:** ..... Recommend wearing rubber or polymer gloves.

**Comments:** ..... Use adequate local exhaust ventilation.

**Handling:** ..... Do not stack or palletize over three high.

## USER'S RESPONSIBILITY

It is the user's responsibility to provide a safe workplace. He or she should consider the health hazard and safety information contained herein as a guide and take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable federal, state, and local laws and regulations.