

Supplied By:



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# Material Safety Data Sheet

**EMERGENCY PHONE:**  
**1-800-535-5053**

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200)

## Section 1: Product Identification

**Product Name:** WASH TEK

**Product Number:** K100

**Product Use:** Liquid Alkaline Chlorinated Dishwashing Detergent

**DOT Shipping Name:** Corrosive Liquids, N.O.S., 8, UN1760, PGII (Sodium Hydroxide) Wash Tek

## Section 2: Hazardous Ingredient Information

Hazard Chemical Identity	CAS No.	ACGIH TLV
Sodium Hydroxide	1310-73-2	2 mg/m3
Sodium Hypochlorite	7681-52-9	N.E.
2-Phosphonobutane-1,2,4-Tricarboxylic Acid	37971-36-1	N.E.

HMIS HAZARD RATING: Health 3 Fire 0 Reactivity 1

\*\*This product does not contain toxic chemicals subject to the reporting requirements of section 313 of the emergency planning and community right-to-know act of 1988.

## Section 3: Physical Data

**Color:** Red **Odor:** Chlorine / Musty **Physical State:** Liquid

**Solubility in Water:** Complete **Boiling Point:** >212°F / 100°C

**Vapor Pressure:** Unknown **Specific Gravity:** 1.245

**Vapor Density (Air=1):** Water Vapor Only **pH:** 14, 0

**Evaporation Rate:** Unknown **% Volatile by Volume:** 70%

## Section 4: Fire and Explosion Hazard Data

**Flash Point (Method Used):** N.A. **Flammable Limits in Air:** N.A.

**Extinguishing Media:** Carbon Dioxide, Foam and Water.

**Special Fire Fighting Procedures:** Use NIOSH/MSHA approved self contained breathing apparatus.

**Unusual Fire and Explosion Hazards:** Contact with reactive metals can generate hydrogen gas.

## Section 5: Reactivity Data

**Chemical Stability:** Stable

**Conditions to Avoid:** Materials listed below.

**Incompatibility (Materials to avoid):** Mixture with acids, organic materials, magnesium, aluminum, zinc, tin, chromium, brass and bronze.

**Hazardous Decomposition Products:** Contact with carbohydrates can produce carbon monoxide. Contact with aluminum, zinc or tin can produce explosive hydrogen gas.

## Section 6: Toxicological Properties

Exposure Limits:	ACGIH	OSHA
Sodium Hydroxide	2mg/m3 Ceiling	None

**Medical Conditions Aggravated by Exposure:** None known.

**WARNING! Eyes:** Major potential hazard. Liquid in the eye can cause severe destruction and blindness. These effects can occur rapidly affecting all parts of the eye. Mist can cause irritation with high concentrations causing destructive burns.

**Skin:** Major potential hazard. Contact with the skin can cause severe irritation and/or burns characterized by redness, swelling and scab formation. Prolonged skin exposure may cause permanent damage. Solutions may not cause immediate pain or irritation upon skin contact. Prolonged or repeated contact with dilute solutions may cause drying and cracking of skin and possible skin damage.

**Ingestion:** Ingestion can cause severe burning and pain in mouth, throat, esophagus and stomach. Severe scarring and perforation of the gastrointestinal tract may occur after swallowing. Death can result from ingestion.

**Inhalation:** Inhalation of solution mist can cause mild irritation at 2mg/m3. More severe burns and tissue damage of the upper respiratory tract can occur at higher concentrations.

**Chronic Toxicity:** Chronic skin contact may cause dermatitis. This product does not contain any materials listed on the IARC, OSHA, or NPT carcinogen lists.

**TSCA (Toxic Substance Control Act):** All components of this product are listed on the TSCA Inventory.

**Title III Hazard Classifications:** Acute-yes, Chronic-no, Fire-no, Reactivity-yes, Pressure-no

## Section 7: Preventative & Control Measures

**Respiratory Protection:** For levels that exceed or are likely to exceed 2 mg/m3 use a NIOSH-approved dust and mist respirator where spray mist occurs. Observe OSHA regulations for respirator use (29 C.F.R. 1910.134)

**Ventilation:** As necessary with local exhaust ventilation to maintain concentration in air below 2mg/m3 at all times.

**Skin Protection:** Wear neoprene, PVC, or rubber gloves. Wear protective clothing to prevent skin contact.

**Eye Protection:** Wear safety glasses or splashproof chemical goggles.

**Hygiene:** Avoid contact with skin. Do not eat, drink or smoke in work area. Wash hands prior to eating, drinking, or using restroom. Any protective clothing which becomes contaminated should be thoroughly cleaned before reuse.

**Other Control Measures:** Safety shower and eye wash should be located in work area.

### STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED:

Small amounts of product can be diluted and rinsed down the drain with water. Larger amounts should be contained and recovered with a vacuum truck or pump. Clean up personnel should follow all safety precautions. Neutralize traces of material with dilute inorganic acid such as phosphoric. Flush area with water followed by a liberal covering of sodium bicarbonate.

**Waste Disposal:** Dispose of in accordance with all local, state and federal regulations.

## Section 8: Emergency First Aid Procedures

### First Aid Notes to Physician:

**Eyes:** Wash eyes immediately with large amounts of water (preferably eye wash fountain), lifting the upper and lower eyelids and rotating eyeball. Continue washing for a minimum of 15 minutes.

**Get medical attention immediately.**

**Skin:** Remove contaminated clothing immediately and wash skin thoroughly for a minimum of 15 minutes with large quantities of water (preferably a safety shower).

**Get medical attention immediately for irritation or burns.**

**Ingestion:** If person is conscious, give large quantities of water to dilute product. Do NOT induce vomiting. **It is important to obtain immediate medical treatment.**

**Inhalation:** Move person to fresh air. If breathing stops, administer artificial respiration. **Get medical attention immediately.**

## Section : Storage and Handling Precautions

KEEP FROM FREEZING.

Store in closed, properly labeled containers. DO NOT remove or deface labels.

Store in a cool, dry place. May react with certain metals to form explosive hydrogen gas.

DANGER! Causes severe burns to skin and eyes. When handling, wear rubber gloves and protective equipment. Use of this product should be limited to properly trained individuals.

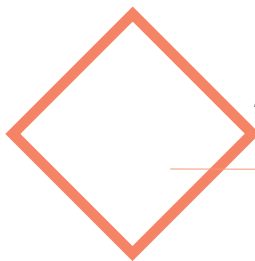
## Section 9: Preparation Information

**Prepared By:** Regulatory Affairs Department

**Phone:** 812-336-4817

**Date of Preparation:** April 2010

The above information is believed to be accurate with respect to the formula used to manufacture this product. As data, standards and regulations change and conditions of use and handling are beyond our control. **NO WARRANTY** expressed or implied is made as to the completeness of continuing of this information.



# WASH TEK

## Technical Data Sheet

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### Product Description

**WASH TEK** is a balanced warewashing detergent designed for institutional dishwashers. The alkalinity booster in **WASH TEK** provides good detergency to emulsify grease and food soils. Special water conditioning and soil suspending agents prevent mineral and soil deposits on the dishware and in the machine. Chlorinating agents remove coffee, tea and food stains. **WASH TEK** has proven to be a very effective and economical machine detergent in difficult conditions. NOT recommended for soft metals.

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### Use Directions

For use in electronic dispensing systems only. Remove only the outer cap from gallon container. Do not remove plastic colored insert from bottle. Securely place gallon container into docking station with **RED TAB** for "**WASH TEK**". Slide red tab into locking position. Product will automatically be dispensed into the dishmachine during the wash cycle. Your LabTek service representative will adjust injector for the correct amount of product.

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### Areas of Use

Designed to be used in institutional mechanical dishwashers.

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### Safety Precautions

Caution! Harmful if swallowed. Irritating to eyes. Keep out of reach of children. Read label and MSDS thoroughly for complete list of hazards and safety precautions.

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### Shipping Classification

Corrosive Liquids, N.O.S., 8, UN1760, PGII (Sodium Hydroxide)

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### Packaging

4 x 1 Gallons per Case

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### Properties

<b>FORM:</b>	Red Liquid
<b>pH (1% SOLUTION):</b>	14
<b>SPECIFIC GRAVITY:</b>	1.245
<b>SOLUBILITY:</b>	Complete
<b>PRIMARY HAZARD</b>	Corrosive to eyes and skin
<b>COMPOSITION:</b>	Alkaline Builders, Sodium Hydroxide, Water Conditioners.

*Liquid  
Warewash  
Detergent*

*Heavy  
Duty  
Formula*

*Chlorinated  
For  
Stain  
Removal*

*Water  
Conditioner*