

Supplied By:



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# Material Safety Data Sheet

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

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

## Section 1: Product Identification

**Product Name:** TEK DET

**Product Number:** K102

**Product Use:** Powered warewash detergent

**DOT Shipping Name:** Corrosive Solids, NOS, (Sodium Metasilicate, Pentahydrate/Sodium Hydroxide) 8, corrosive material, UN1759, PG II

2 Health	Hazard Rating	H.M.I.S  <u>Abbreviation Key:</u> N.A.-Not Applicable N.E.-Not Established N.D.-Not Determined
0 Fire	4=Extreme	
1 Reactivity	3=High	
Maximum Personal Production	2=Moderate 1=Slight 0=Insignificant	

A=Goggles B=Goggles & Gloves C=Goggles, Gloves & Apron

## Section 2: Hazardous Ingredient Information

### Hazard Chemical Identity

	CAS No.	%	TLV	PEL	TOXIC	HAZARD
Sodium Metasilicate, Pentahydrate	6834-92-0	15	None	None	N.A.	Irritant
Sodium Hydroxide	1310-73-2	14	2mg/m3	2mg/m3	N.A.	Corrosive

Chemicals not subject to reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR 372.

## Section 3: Physical Data

**Color:** White

**Odor:** N.A.

**Physical State:** Solid

**Solubility in Water:** Complete

**Boiling Point:** N.A.

**Specific Gravity:** N.A.

**pH (1% Solution):** 12.35

## Section 4: Fire and Explosion Hazard Data

**Flash Point:** N.A.

**Extinguishing Media:** N.A.

**Special Fire Fighting Procedures:** Although product is non combustible, if a fire occurs in nearby vicinity, good fire practice dictates the use of SBA and other protective gear.

**Unusual Fire and Explosion Hazards:** If the containers breaks, the solution should be handled with care as it is corrosive.

## Section 5: Reactivity Data

**Chemical Stability:** Stable

**Conditions to Avoid:** Avoid acids

**Incompatibility (Materials to avoid):** Reacts with strong acids and will yield chlorine gas.

**Hazardous Decomposition Products:** At flame temperatures, chlorine gas may be liberated.

## Section 6: Toxicological Properties

**Carcinogenic Effects:** Product does not contain any materials listed as carcinogenic by ACGIH and OSHA.

**Effects of Overexposure:** Corrosive. May cause severe burns or irritation, may cause irreversible eye damage in some cases.

## Section 7: Preventative & Control Measures

**Respiratory Protection:** Respiratory protection not required for normal use. If mist is high, wear NIOSH-approved respirator.

**Ventilation:** Exhaust ventilation must maintain levels below TLV.

**Skin Protection:** Rubber or chemical resistant gloves. Protective clothing with rubber shoes or boots.

**Eye Protection:** Wear safety glasses, splashproof chemical goggles or full face shield.

**STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED:** Scoop up for reuse whenever possible. Small spills can be diluted with a large amount of water and flushed to sewer. Larger spills, sweep and scoop up.

**Waste Disposal:** Neutralize product by first dissolving in water in a dike area and then add Sodium Sulfite or Sodium Bisulfite. Then neutralize caustic with a dilute acid. Check local, state and federal for discharging of wastes.

## Section 8: Special Precautions

**Precautions to be taken in Handling and Storing:** Wear protective equipment. Wash after handling. Keep containers sealed. Safety shower and eyewash stations should be provided in areas where product is handled.

**Other Precautions:** N.A.

## Section 9: Emergency First Aid Procedures

### First Aid Notes to Physician:

**Eyes:** Immediately flush eyes with water for 15 minutes, lifting upper and lower lids for complete rinsing. Get prompt medical attention.

**Skin:** Flush with water for 15 minutes. If irritation persists. Get medical attention. Remove contaminated clothing and wash before reuse.

**Ingestion:** Do NOT induce vomiting. If conscious give lots of water or milk. Get immediate medical attention. Do not give anything by mouth to unconscious or convulsing victim.

## Section 10: Preparation Information

**Prepared By:** Regulatory Affairs Department

**Phone:** 812-336-4817

**Date of Preparation:** July, 2004

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.

# *Tek Det*

## *Technical Data Sheet*

*Powdered  
Warewash  
Detergent*

*Highly  
alkaline,  
chlorinated*

*Economical  
use  
Cost*

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### *Product Description*

**Tek Det** is an economical commercial dishwashing compound designed for the toughest warewashing applications. It is highly alkaline and chlorinated to cut through the most stubborn coffee and tea stains. The corrosion inhibitors will protect kitchen ware and prolong machine life. Use in all water conditions. **Tek Det** holds mineral and soil particles in suspension for free rinsing.

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### *Use Directions*

For use in automatic dispensing equipment. A LabTek service rep will adjust the detergent controller for optimum results.

Add **Tek Det** slowly to the reservoir. Add one or more pouches whenever the dispenser red light indicates a low detergent concentration. Do not overfill the reservoir. For further information contact your service representative.

For manual feeding, use 1 oz. of **Tek Det** per 3 gallons of solution water. Adjust detergent amount according to soil conditions.

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### *Areas of Use*

Designed to be used for mechanical warewash applications.

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### *Safety Precautions*

Caution! May cause severe burns or irritation. May cause irreversible eye damage in some cases. Harmful if swallowed. Read label and MSDS thoroughly for complete listing of hazards and safety precautions. Keep out of reach of children.

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### *Shipping Classification*

Corrosive Solids, NOS, (Sodium Metasilicate, Pentahydrate/Sodium Hydroxide) 8, corrosive material, UN1759, pg II

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### *Packaging*

50# Fiber Drum

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### *Properties*

**FORM:** White Powder  
**pH (1% SOLUTION):** 1.259  
**PRIMARY HAZARD:** Corrosive to skin and eyes. Major hazard for eyes, skin, alkaline builders, soil suspending agent, chlorine, synthetic detergents.  
**COMPOSITION:** Alkaline builders, soil suspending agent, chlorine, synthetic detergents.