



**MATERIAL SAFETY DATA SHEET**  
(Essentially similar to U.S. Department of Labor Form OSHA 174)

<b>Identity:</b> EMPIRE® Outside Cleaner	<b>Chemical Family:</b> Alkaline Detergent
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**SECTION I**

<b>Manufacturer:</b> <b>Address:</b>	Kay Chemical Company 8300 Capital Drive Greensboro, NC 27409 USA	<b>Emergency Medical Telephone #:</b> (800)304-0824 or call collect 0(303)592-1709 (24 hours) <b>Telephone # for Other Info:</b> (800)333-4300 (USA or Canada) or (336)668-7290 <b>Date Prepared:</b> August 25, 2003
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**SECTION II - Hazardous Ingredients/Identity Information**  
(Hazardous Ingredients as Defined by OSHA, 29 CFR 1910.1200)

Hazardous Components	CAS #	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED
Tripotassium phosphate	7778-53-2	U.I.	U.I.	
Tetrasodium EDTA	64-02-8	U.I.	U.I.	

This mixture, when tested as a whole, is considered an eye and skin irritant within the meaning of OSHA Hazard Communication Standard.

**SECTION III - Physical/Chemical Characteristics**

<b>Boiling Point:</b>	>212°	<b>Specific Gravity (Water=1):</b>	1.146
<b>Vapor Pressure (mm Hg):</b>	N.A.	<b>Melting Point:</b>	N.A.
<b>Vapor Density (AIR=1):</b>	N.A.	<b>Evaporation Rate:</b> (Butyl Acetate=1)	U.I.
<b>Solubility in Water:</b>	Soluble		
<b>Appearance and Odor:</b>	Clear liquid		

**SECTION IV - Fire and Explosion Hazard Data**

<b>Flash Point(TCC)</b>	>300°	<b>Flammable Limits % by Vol</b>	LEL: N.A.	UEL: N.A.
<b>Extinguishing Media:</b>	Water, dry chemical, or carbon dioxide			
<b>Special Fire Fighting Procedures:</b>	None			
<b>Unusual Fire and Explosion Hazards:</b>	Decomposition products include: oxides of carbon, nitrogen			

**SECTION V - Reactivity Data**

<b>Stability</b>	<b>Unstable:</b>	<b>Conditions to Avoid:</b>	None
	<b>Stable:</b>	X	
<b>Incompatibility (Materials to Avoid):</b>		None	
<b>Hazardous Decomposition or Byprod:</b>		None	
<b>Hazardous Polymerization</b>	<b>May Occur:</b>	<b>Conditions to Avoid:</b>	None
	<b>Will Not Occur:</b>	X	



Identity:

**EMPIRE® Outside Cleaner****SECTION VI - Health Hazard Data**

Primary Route(s) of Entry:	SKIN ( X )	EYES ( X )	INGESTION ( X )	INHALATION ( )
Health Hazards (Acute and Chronic):	Acute:	Can cause eye and skin irritation.		
	Chronic:	Not a known hazard.		
Signs and Symptoms of Exposure:	Eyes: Direct eye contact can cause irritation, tearing, redness and temporary blurred vision. Skin: Prolonged skin contact can cause irritation, dryness and scaling. Ingestion: Can result in nausea, diarrhea, and mucosal and gastric irritation.			
Carcinogenicity:	NTP? No	IARC Monographs? No	OSHA Regulated? No	
Medical Conditions - Generally Aggravated by Exposure:	None known.			
Emergency and First Aid Procedures:	Eyes:	In case of contact, flush eyes with plenty of water. Contact a physician if irritation persists.		
	Skin:	In case of contact, flush skin with plenty of water. Contact a physician if irritation occurs.		
	If Swallowed:	Drink large quantities of water. Do not induce vomiting. Contact a physician.		

**SECTION VII - Precautions for Safe Handling and Use**

Steps to Be Taken in Case Material is Released or Spilled:	Use absorbent, then mop with water and dispose of as set forth below.
Waste Disposal Method:	Product is biodegradable. If permitted, flush down acceptable sewer or dispose of at landfill. Dispose of in accordance with all applicable regulations.
Precautions to be Taken in Handling and Storing:	No unusual precautions necessary.
Other Precautions:	Do not mix with any other chemicals unless recommended by Kay Chemical Company.

**SECTION VIII - Special Protection Information**

Respiratory Protection (Specify Type):	Not required with normal usage.		
Ventilation	Local Exhaust:	Not required	Special: None
	Mech.(General):	Not required	Other: None
Protective Gloves:	Not required with normal usage.	Eye Protection:	Not required with normal usage.
Other Protective Clothing or Equipment:	Not required with normal usage.		

**SECTION IX - State Right-To-Know Information**

The specific chemical identity of this product is being withheld as a proprietary trade secret.

N.A. = Not Applicable

U.I. = Unavailable Information

KU1735