

MATERIAL SAFETY DATA SHEET

POLY-KLEEN SUPER CONCENTRATE

Section I



CHEMICALS & EQUIPMENT, INC.

2902 EAST X STREET
DEER PARK, TX 77536
Toll Free 877-644-1492

Emergency Telephone Number

(713) 644-1492

Telephone Number for Information

(713) 644-1492

Date Prepared

January 5, 2006 (Revised 8/9/2013)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components <i>(Specific Chemical Identity: Common Name(s))</i>	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Sodium Hypochlorite (CAS#7782-50-5)	0.5 ppm	0.5 ppm	N/E	N/A
Sodium Metasilicate (CAS#6834-92-0)	2mg/m3	2mg/m3	N/E	N/A
Potassium Hydroxide (CAS#1310-58-3)	2mg/m3	2mg/m3	N/E	N/A

Section III — Physical/Chemical Characteristics

Boiling Point	214	Specific Gravity (H ₂ O = 1)	1.15
Vapor Pressure (mm Hg.)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	Less than 1

Solubility in Water

100%

Appearance and Odor

Clear, semi-viscous liquid with slight chlorine odor

Section IV — Fire and Explosion Hazard Data

Flash Point (<i>Method Used</i>)	N/A	Flammable Limits	LEL	UEL
Extinguishing Media	N/A			
Special Fire Fighting Procedures	N/A			
Unusual Fire and Explosion Hazards	None			

Section V — Reactivity Data

Stability	Unstable	X	Conditions to Avoid
	Stable		

Incompatibility (Materials to Avoid)

Do not allow contact with aluminum, zinc or tin.

Hazardous Decomposition or Byproducts

Decomposition products may include toxic and hazardous oxides of carbon and sodium.

Hazardous Polymerization	May Occur	X	Conditions to Avoid
	Will Not Occur		

Section VI — Health Hazard Data

Route(s) of Entry:	Inhalation? Irritant	Skin? Irritant	Ingestion? Irritant
--------------------	-------------------------	-------------------	------------------------

Health Hazards (Acute and Chronic)

Acute-irritating to skin and mucous membranes. May cause permanent eye damage if not treated. Inhalation of mists or spray may cause coughing or other symptoms of upper respiratory irritation. Chronic-continued inhalation may result in lung tissue damage.

Carcinogenicity:	NTP? N/A	IARC Monographs? N/A	OSHA Regulated? NO
------------------	-------------	-------------------------	-----------------------

Signs and Symptoms of Exposure

May cause itching or burning sensations to skin. May cause eye irritation or severe damage in undiluted forms.

Medical Conditions (Generally Aggravated by Exposure)

N/A

Emergency and First Aid Procedures

For skin, flush with large amounts of water for 15 minutes. *For eyes*, flush with large amounts of water and seek medical attention.

For ingestion, do not induce vomiting, drink large amounts of water.

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled

Do not touch spilled material. Stop leak if you can without risk. For small spills pick up with vacuum equipment (alkali resistant) for disposal, or flush to holding area with water. Neutralize residues with dilute acid with water. Larger spills, dike far ahead of spill for later disposal. Isolate area and keep unnecessary people away from area.

Waste Disposal Method

The caustic must never be discharged directly to sewers or surface waters. Must convert to neutral salts and dilute well with water. Inform legal authorities of uncontrolled spills.

Precautions to Be Taken in Handling and Storing

Store only in shipping container. Do not allow to freeze and keep away from extreme heat. Keep all lids tightly closed. Keep away from children.

Other Precautions

Read product label and technical data sheet before using.

Section VIII — Control Measures

Respiratory Protection (Specify Type)

None is required, however if misting, a NIOSH approved mist respirator should be used.

Ventilation	Local Exhaust	Special Use adequate ventilation Other
	Mechanical (General)	

Protective Gloves

Rubber, latex, plastic - No leather

Other Protective Clothing or Equipment

Rubber boots or aprons only if necessary to avoid contaminating clothing.

Work/Hygiene Practices

Normal

Eye Protection

Splash goggles or face shield