

MATERIAL SAFETY DATA SHEET

MANUFACTURERS NAME **GUARD PRODUCTS INC.**
ADDRESS: **980 77TH AVENUE OAKLAND, CA 94621**
BUSINESS PHONE: **510-449-9097**
NAME OF PREPARER: **G.M. Westlund**
DATE PREPARED: **2/20/2005**

I. GENERAL			
TRADE NAME #218 Chorinated Cleaner		TELEPHONE NUMBERS EMERGENCY 1-800-424-9300 (CHEMTREC)	
OTHER NAMES: Mixture-Water/phosphates/hydroxides/hypochlorite			
CHEMICAL FAMILY See Above		DOT Hazardous Materials Proper Shipping Name Corrosive liquids, basic, inorganic, n.o.s., 8, UN 3266, II, ERG 154	
GENERIC NAME			
CAS No. mixture	Company I.D. No.	UN/NA ID No.	
II SUMMARY OF HAZARDS			
Physical Hazards: Corrosive Acute Health Effects: Can cause irritation to body tissues. Chronic Health Effects: None Known			
HMIS Rating		Health: <input type="text" value="2"/>	Reactivity: <input type="text" value="0"/>
Fire: <input type="text" value="0"/>		Person: <input type="text" value="B"/>	
(4=Severe, 3=Serious, 2=Moderate, 1=Slight, 0=Insignificant)			
III FIRE AND EXPLOSION			
Flash Point (Method) None	Autoignition Temperature Unknown N/A	Flammable Limits (%Volume in air) Lower- N/A Upper- N/A	
FIRE AND EXPLOSION Offers no hazard under normal conditions. HAZARD Product is corrosive to most metals, releasing explosive hydrogen gas.			
EXTINGUISHING			
MEDIA	Foam <input type="text" value="x"/>	Water Spray <input type="text" value="x"/>	Other <input type="text"/>
	CO2 <input type="text" value="x"/>	Dry Chemical <input type="text" value="x"/>	
SPECIAL FIREFIGHTING PROCEDURES Keep containers cool with water spray.			

IV HEALTH HAZARDS	
INHALATION No known effects from properly stored or use product. Fumes from spills can be irritating to mucous membranes.	
EYE CONTACT	Can cause sever irritation, corrosive.
SKIN	Same as skin contact.

ABSORPTION

MATERIAL SAFETY DATA SHEET

SKIN Prolonged direct exposure may cause skin irritation, defatting and reddening.

IRRITATION

INGESTION Can cause severe irritation to membranes of the mouth, throat, and stomach.

SUMMARY C

CHRONIC HAZARDS None Known

AND SPECIAL HEALTH

EFFECTS

V PROTECTIVE EQUIPMENT AND OTHER CONTROL MEASURES

RESPIRATO With proper ventilation none needed, however if misting applications put exposure above the safe level(TLV), a NIOSH approved respirator is recommended.

EYE Chemical Goggles, Face Shield

SKIN Chemical Resistant Gloves

ENGINEERING Adequate ventilation
CONTROLS

OTHER HYGIENIC Train employees in proper handling procedures in this section
AND WORK before allowing them to work with this product.

PRACTICES Clean up spills immediately.

VI OCCUPATIONAL EXPOSURE LIMITS

Substance	CAS No.	EXPOSURE LIMITS IN AIR		
		ACGIH(TLV)	OSHA(PEL)	OTHER
Sodium Hypochlorite	7681-52-9	none listed		
Tetrapotassium pyrophospha	7320-34-5	10mg/m3	15mg/m3	
Potassium hydroxide	1310-58-3	2mg/m3		

NOTE: This product contains no levels of listed substances, which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute.

EMERGENCY AND FIRST AID

INHALATION Remove to fresh air. Call a physician if exposure is severe.

EYE Flush with water for at least 15 minutes.

CONTACT Consult a physician.

SKIN Wash exposed area. Remove contaminated clothing
CONTACT and wash before reuse

INGESTION DO NOT INDUCE VOMITI Drink large amounts of water.
Call Physician immediately. Never give anything to an unconscious person.

EMERGENCY
MEDICAL
TREATMENT

PROCEDURES

MATERIAL SAFETY DATA SHEET

VIII SPILL AND DISPOSAL

PRECAUTION IF MATERIAL IS SPILLED OR RELEASED Stop leak. Dam up area of spill. Dry floor with absorbant, Shovel into metal or plastic lined containers. Keep area clear of traffic as the floor will be extremely slippery. Clean area with usual floor cleaner.

WASTE DISPOSAL METHODS DISPOSE ACCORDING TO LOCAL, STATE & FEDERAL REGULATIONS. The uncontaminated solution is biodegradable.

IX COMPONENTEN (this may not be a complete list of components)

Component Name	CAS No.	Hazardous Component Advisory	Composition Amount-(Wt.)
Sodium Hypochlorite	7681-52-9	**	15-30%
Tetrapotassium pyrophospha	7320-34-5	none listed	2-15%
Potassium hydroxide	1310-58-3	4, ***	15-30%

** RQ-100#(reportable quantities)
 *-SARA Title *** RQ-1000#(reportable quantities)
 #Listed by: 1=OSHA(air) 2=OSHA(regulated substance) 3=NTP(carcinogens)
 4=ACGIH(chemicals) 5=IARC(human carcinogens) 6=DOT hazardous materials

X PHYSICAL AND CHEMICAL DATA

Boiling Point >212°F	Viscosity Units, Temp. (Method) N/AP	Dry Point
Freezing Point 32°F	Vapor Pressure Unknown	Volatile Characteristics
Specific Gravity (H2O=1) 1.19 +/-0.5	Vapor Density (Air=1 @60-90°F) Unknown	Stable X Unstable

Solubility in Water Complete	pH -conctrte >13.5 pH -dilute	Hazardous Polymerization Will Not Occur
---------------------------------	----------------------------------	--

Other Physical and Chemical Properties	Evaporation Rate <water
--	----------------------------

Appearance and Odor Clear/amber liquid, chlorine -mild odor.

Materials to Avoid Strong Oxidizing Agents.
Acids.

Conditions to Avoid

Hazardous Decomposition Products Carbon Dioxide, Carbon Monoxide

XI ADDITIONAL PRECAUTIONS

MATERIAL SAFETY DATA SHEET

HANDLING,
STORAGE AND
DECONTAMINATION
PROCEDURES

Keep container closed when not in use to avoid contamination.

GENERAL COMMENTS:

DISCLAIMER OF LIABILITY

The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling storage, use or disposal of the product.

MATERIAL SAFETY DATA SHEET