

**MATERIAL SAFETY DATA SHEET**

**MANUFACTURERS NAME:** GUARD PRODUCTS INC.  
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**NAME OF PREPARER:** G.M. Westlund  
**DATE PREPARED:** 3/28/01 (revised)

<b>I. GENERAL</b>						
TRADE NAME <b>#428 H.D. HOT TANK CLEANER</b>		TELEPHONE NUMBERS <b>EMERGENCY PHONE CHEMTREC 1-800-424-9300 510-635-4353</b>				
OTHER NAMES:						
CHEMICAL FAMILY CAUSTIC SODA & SILICATE&SURFACTANT	DOT Hazardous Materials Proper Shipping Name CORROSIVE SOLID N.O.S., UN1759					
GENERIC NAME	DOT Hazard Class CORROSIVE MATERIAL					
CAS No. mixture	Company I.D. No.	UN/NA ID No. UN1759				
<b>II. SUMMARY OF HAZARDS</b>						
Physical Hazards:		Corrosive Material				
Acute Health Effects:		Can cause irritation to body tissues.				
Chronic Health Effects: (short term)		See Section IV				
<b>HMIS rating:</b>		Health: <table border="1" style="display:inline-table; width:40px; text-align:center;"><tr><td>2</td></tr></table>	2	protection: <table border="1" style="display:inline-table; width:40px; text-align:center;"><tr><td>C</td></tr></table>	C	
2						
C						
		Fire: <table border="1" style="display:inline-table; width:40px; text-align:center;"><tr><td>0</td></tr></table>	0	Reactivity: <table border="1" style="display:inline-table; width:40px; text-align:center;"><tr><td>1</td></tr></table>	1	
0						
1						
(4=Extreme, 3=High, 2=Moderate, 1=Slight, 0=Insignificant)						
<b>III. FIRE AND EXPLOSION</b>						
Flash Point (Method)  none	Autoignition Temperature  none	Flammable Limits (%Volume in air) Lower- Upper-				
FIRE AND EXPLOSION HAZARD	this product can react violently with acids, aluminum, tin, zinc and alloys containing these metals.					
EXTINGUISHING MEDIA						
	Foam <table border="1" style="display:inline-table; width:40px; text-align:center;"><tr><td>X</td></tr></table>	X	Water Spray <table border="1" style="display:inline-table; width:40px; text-align:center;"><tr><td>X</td></tr></table>	X	Other <table border="1" style="display:inline-table; width:40px; text-align:center;"><tr><td></td></tr></table>	
X						
X						
	CO2 <table border="1" style="display:inline-table; width:40px; text-align:center;"><tr><td>X</td></tr></table>	X	Dry Chemical <table border="1" style="display:inline-table; width:40px; text-align:center;"><tr><td>X</td></tr></table>	X		
X						
X						
SPECIAL FIREFIGHTING PROCEDURES						
Protective clothing and pressure-demand breathing apparatus should be worn in areas where product is stored.						

<b>IV. HEALTH HAZARDS</b>	
INHALATION	airborne concentrations of dust, mist, or spray may cause respiratory tract damage, and could produce chemical pneumonia depending upon extent of exposure.

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EYE CONTACT	This product is destructive to eye tissues upon contact. Severe damage and even blindness could result.		
SKIN ABSORPTION	same as below		
SKIN IRRITATION	Severe burns to tissues contacted		
INGESTION	If swallowed, severe burns and complete tissue perforation of mucous membranes of mouth, throat, esophagus and stomach may result.		
SUMMARY OF CHRONIC HAZARDS AND SPECIAL HEALTH EFFECTS	Chronic local effect may consist of superficial destruction of skin or of primary irritant dermatitis. Inhalation of dust, spray, or mist may result in varying degrees of irritation or damage to the respiratory tract and increased susceptibility to respiratory illness.		
<b>V PROTECTIVE EQUIPMENT AND OTHER CONTROL MEASURES</b>			
RESPIRATORY	Under normal use conditions respiratory protection is not required. However, use a NIOSH/MSHA approved apparatus where dust, mist or spray are encountered		
EYE	Face shield or goggles recommended.		
SKIN	Natural or butyl rubber gloves, boots, aprons.		
ENGINEERING CONTROLS	Adequate local ventilation should be provided where accumulations of dust, mist or spray are encountered.		
OTHER HYGIENIC AND WORK PRACTICES	All employees should be educated in the use of this product before being allowed to work with it. Employees should wash with soap and water after using this product. Eye wash & shower facilities should be accessible.		
<b>VI OCCUPATIONAL EXPOSURE LIMITS</b>			
Substance	CAS Number	Exposure Limits in Air	
		ACGIH(TLV)	OSHA(PEL) OTHER
Sodium Hydroxide	1310-73-2	2mg/m3	2mg/m3
Sodium Metasilicate	6834-92-0		
Sodium Tripolyphosphate	7758-29-4		

<b>VII EMERGENCY AND FIRST AID</b>	
INHALATION	Get victim into fresh air. If breathing has stopped, resuscitate and administer oxygen. (if available) Get immediate medical attention.
EYE CONTACT	Immediately flush eyes with lids held apart with large amounts of water, Continue this for at least 15 minutes. Seek immediate medical help.
SKIN CONTACT	Immediately remove contaminated clothing, wash affected area for 15 minutes. Launder clothes before reuse. Seek medical attention.
INGESTION	Never give anything by mouth to an unconscious person. If swallowed DO NOT



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Hazardous Decomposition Products when in contact with the above mentioned metals, potentially explosive hydrogen gas is released.

**XI**

**ADDITIONAL PRECAUTIONS**

HANDLING,  
STORAGE AND  
DECONTAMINATION  
PROCEDURES

Keep product in cool, dry storage area.  
Keep container closed when not in use to avoid contamination

GENERAL COMMENTS

ADD PRODUCT SLOWLY TO COOL WATER  
(AVOID ADDING TO HOT WATER)

*DISCLAIMER OF LIABILITY*

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