

**MATERIAL SAFETY DATA SHEET**

**MANUFACTURERS NAME: GUARD PRODUCTS INC.**

**ADDRESS: 980 77th Ave Oakland, CA 94621**

**BUSINESS PHONE: 510-635-4353**

**NAME OF PREPARER: G.M. WESTLUND**

**DATE PREPARED: 1/30/2006**

<b>I. GENERAL</b>			
TRADE NAME <b>#422 JET SPRAY N.F.</b>		TELEPHONE NUMBERS	
OTHER NAMES:		<b>EMERGENCY: 800-424-9300</b>	
		<b>(CHEMTREC)</b>	
		510-635-4353	
CHEMICAL FAMILY	Silicates, Phosphates, Surfactants	DOT Hazardous Materials Proper Shipping Name	
GENERIC NAME		NON REGULATED MATERIAL	
		DOT Hazard Class	
CAS No.	Company I.D. No.	UN/NA ID No.	
<b>II SUMMARY OF HAZARDS</b>			
Physical Hazards:		Minor Eye & Skin Irritant	
Acute Health Effects:		Can cause mild irritation to body tissues.	
Chronic Health Effects:		None Known	
Health:		1	Reactivity: 0
<b>HMIS Rating:</b> Fire:		0	Personal: B ( safety glasses, gloves)
(4=Severe, 3=Serious, 2=Moderate, 1=Slight, 0=Insignificant)			
<b>III FIRE AND EXPLOSION</b>			
Flash Point (Method)	Autoignition Temperature	Flammable Limits (%Volume in air)	
none	none	Lower-	Upper-
FIRE AND EXPLOSION HAZARD			
EXTINGUISHING MEDIA			
Foam	X	Water Spray	X
CO2	X	Dry Chemical	X
SPECIAL FIREFIGHTING PROCEDURES			

<b>IV HEALTH HAZARDS</b>	
INHALATION #422	airborne concentrations of dust, mist, or spray may cause respiratory tract

irritation, and could produce respiratory tract ulceration depending upon extent of exposure.				
EYE CONTACT	This product is corrosive to eye tissues. Severe damage and even blindness could result if not treated properly.			
SKIN ABSORPTION	same as below			
SKIN IRRITATION	Skin contact with concentrated solutions will result in local irritation. Repeated contact could result in dermatitis.			
INGESTION	If swallowed, severe irritation and possible 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 CARBONATE	497-19-8	None Listed		
SODIUM TRIPOLYPHOSPHATE	7758-29-4	None Listed		
TRISODIUM PHOSPHATE	10101-89-0	None Listed		
SODIUM SILICATE	6834-92-0	None Listed		

<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	Immediately flush eyes with lids held apart with large amounts of water,

CONTACT	Continue this for at least 15 minutes. Seek immediate medical help.	
SKIN	Immediately remove contaminated clothing, wash affected area for 15 minutes.	
CONTACT	Laundry clothes before reuse. Seek medical attention.	
INGESTION	Never give anything by mouth to an unconscious person. If swallowed DO NOT INDUCE VOMITING, give milk or water. Seek immediate medical attention.	
EMERGENCY MEDICAL TREATMENT PROCEDURES		
<b>VIII SPILL AND DISPOSAL</b>		
PRECAUTIONS IF MATERIAL IS SPILLED OR RELEASED	Contain spill with absorbant ( if in liquid form) and neutralize with dilute inorganic acid such as sulfuric,hydrochloric,phosphoric. Place into plastic or plastic lined container pending proper disposal. CAUTION: Wear proper protective clothing, the alkali product can react with acids.	
WASTE DISPOSAL METHODS	DISPOSE ACCORDING TO LOCAL, STATE & FEDERAL REGULATIONS	
<b>IX COMPONENTS</b> (this may not be a complete list of components)		
Component Name	CAS No. Hazardous Substance Advisory# Amount-(Wt.)	
SODIUM CARBONATE	497-19-8	10-20%
SODIUM TRIPOLYPHOSPHATE	7758-29-4	15-25%
TRISODIUM PHOSPHATE	10101-89-0	2-8%
SODIUM SILICATE	6834-92-0	35-60%
#Listed by: 1=OSHA-AIR 2=OSHA-REGULATED SUBSTANCE 3=NTP-Carcinogens 4=ACGIH Chemicals 5=IARC Human Carcinogens		

<b>X PHYSICAL AND CHEMICAL DATA</b>			
Boiling Point >212°F	Viscosity Units, Temp. (Method)		Dry Point
Freezing Point	Vapor Pressure		Volatile Characteristics
Specific Gravity (H2O=1) n/ap	Vapor Density (Air=1 @60-90°F)		Stable x Unstable
Solubility in Water complete	pH -concentrate 12 +/- 0.5 pH -dilute > 11.0	Hazardous Polymerization Will Not Occur	
Other Physical and Chemical Properties		Chemical Reactivity	

Appearance and Odor	White powder, no odor
<b>MATERIAL SAFETY DATA SHEET</b>	
Materials to Avoid	
Conditions to Avoid	Contact with strong acids or the above mentioned metals.
Hazardous Decomposition Products	
<b>XI</b>	<b>ADDITIONAL PRECAUTIONS</b>
HANDLING, STORAGE AND DECONTAMINATION PROCEDURES	Keep product in cool, dry storage area. Keep container closed when not in use to avoid contamination
<b>GENERAL COMMENTS</b>	
<i>DISCLAIMER OF LIABILITY</i>	
<p>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.</p>	

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