



I - PRODUCT IDENTIFICATION AND USE				MSDS ID: 3121	
PRODUCT NAME: SECURE STEAM PLUS					
USE: Iron Phosphatizer					
SUPPLIER: JohnsonDiversey Canada, Inc. 2401 Bristol Circle Oakville Ontario, L6H 6P1, Canada			EMERGENCY PHONE: 1-800-668-7171		
WHMIS CLASSIFICATION: D2B E CHEMICAL FAMILY: mineral acid			TRADE NAME / SYNONYMS: not applicable CHEMICAL NAME: not applicable		
II - HAZARDOUS INGREDIENTS					
HAZARDOUS INGREDIENT	% w/w	CAS #	LD50 / LC50	Route / Species	
Phosphoric acid	1-5	007664-38-2	LD50 1530 mg/kg	oral/rat	
Monosodium phosphate	1-5	007558-80-7	LD50 8290 mg/kg	oral/rat	
III - HANDLING AND DISPOSAL PROCEDURES					
PERSONAL PROTECTIVE EQUIPMENT: Gloves: Natural Rubber or Neoprene Eye: safety goggles Footwear: not required Respiratory: not applicable Other: rubber apron, face shield					
SPECIAL HANDLING PROCEDURES AND EQUIPMENT: not applicable					
VENTILATION REQUIREMENTS: general ventilation					
INCOMPATIBILITY (Material to Avoid): Alkalis, chlorinated compounds, strong oxidizers .					
SPILL PROCEDURES: Contain the spill. Do not allow the spilled product to go to drain. Mop up or soak up with absorbent clay for disposal. Wash spill area with large volumes of water.					
WASTE DISPOSAL: Dispose according to municipal, provincial, and federal regulations.					
STORAGE / SHIPPING REQUIREMENT: Store in a cool dry area in a closed container. Avoid freezing. UN1760					
IV - PHYSICAL PROPERTIES					
APPEARANCE / ODOUR: Clear					
S.G. / BULK DENSITY(g/cc): 1.06			pH: (3%):4.2		
VAPOUR PRESSURE (mmHg): 17.5			VAPOUR DENSITY (air=1): not available		
ODOUR THRESHOLD: not applicable			BOILING POINT: ~100°C		
FREEZING POINT: -0°C			PERCENT VOLATILE: 89%		
SOLUBILITY IN WATER: soluble			EVAPORATION RATE (water=1): 1		
V - TOXICOLOGICAL PROPERTIES					
EFFECTS OF ACUTE EXPOSURE TO MATERIAL: EYES: Corrosive. May cause severe irritation. May cause temporary or permanent damage if not treated promptly. SKIN: Corrosive. May cause severe irritation. May cause temporary or permanent damage if not treated promptly. INGESTION: Corrosive. May cause severe irritation of the digestive tract. May cause temporary or permanent damage if not treated promptly. INHALATION: Breathing mist or spray may cause respiratory irritation.					
LD50 (calculated): >20,000 mg/kg			LC50 (calculated): not available		

OTHER TOXIC EFFECTS: TLV: Phosphoric acid TWA 1 mg/m3; STEL 3 mg/m3	
EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: None known.	
VI - FIRST AID MEASURES	
EYES:	Flush eyes with plenty of water for at least 15 minutes. Hold eyelids open while rinsing. Contact a physician immediately.
SKIN:	Flush affected area thoroughly with water. If irritation develops, contact a physician.
INGESTION:	Drink large volumes of water. Never give anything by mouth to an unconscious patient. Do not induce vomiting. Contact a physician immediately.
INHALATION:	Remove patient to fresh air.
VII - FIRE AND EXPLOSION DATA	
FLAMMABLE: No	
FLASH POINT, °C: not applicable	AUTO IGNITION TEMPERATURE, °C: N/Av.
EXTINGUISHING MEDIA: Water [x] Dry Chemical [x] Carbon Dioxide [x] Foam [x] Other []	
SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus.	
HAZARDOUS COMBUSTION PRODUCTS: not applicable.	
EXPLOSIVE SENSITIVITY TO: not applicable	
VIII - REACTIVITY DATA	
STABILITY: Stable [x] Unstable []	
CONDITIONS TO AVOID: not applicable	
INCOMPATIBILITY (Material to Avoid) : Alkalis, chlorinated materials, strong oxidizers.	
HAZARDOUS DECOMPOSITION PRODUCTS: Contact with chlorinated materials will release chlorine gas.	
REACTIVITY: not dangerously reactive.	
IX - MSDS PREPARATION	
SOURCES USED: RTECS	PREPARED BY: JohnsonDiversey Canada. Inc. Regulatory Department Industrial Division Phone (905) 829-1200
PREPARATION DATE: April 15, 2003	
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