



I - PRODUCT IDENTIFICATION AND USE				MSDS ID: 57464
PRODUCT NAME: PASCAL				
USE: Heavy duty non-fuming acidic cleaner				
SUPPLIER: JohnsonDiversey Canada, Inc. 2401 Bristol Circle Oakville Ontario, L6H 6P1, Canada			EMERGENCY PHONE: 1-800-668-7171	
WHMIS CLASSIFICATION: D1A 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
Nitric acid	30-60	007697-37-2	LC50 49 ppm/4H	inh/rat
III - HANDLING AND DISPOSAL PROCEDURES				
PERSONAL PROTECTIVE EQUIPMENT:				
Gloves: Neoprene gloves		Eye: Safety goggles		Footwear: As required
Respiratory: If mists are generated, use NIOSH approved mask		Other: Rubber apron		
SPECIAL HANDLING PROCEDURES AND EQUIPMENT: Do not breathe mist, spray or vapours. Avoid eye and skin contact.				
VENTILATION REQUIREMENTS: Mechanical exhaust.				
INCOMPATIBILITY (Material to Avoid): Alkaline and chlorinated materials. Organic materials. Soft metals.				
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. UN2031				
IV - PHYSICAL PROPERTIES				
APPEARANCE / ODOUR: Clear pink to red liquid				
S.G. / BULK DENSITY(g/cc): 1.31		pH: (concentrate): <1.5		
VAPOUR PRESSURE (mmHg): not applicable		VAPOUR DENSITY (air=1): not applicable		
ODOUR THRESHOLD: not available		BOILING POINT: 100°C		
FREEZING POINT: not available		PERCENT VOLATILE: 50%		
SOLUBILITY IN WATER: soluble		EVAPORATION RATE (water=1): not applicable		
V - TOXICOLOGICAL PROPERTIES				
EFFECTS OF ACUTE EXPOSURE TO MATERIAL:				
EYES: Corrosive. May cause severe irritation. May cause 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: May cause irritation of respiratory tract.				
LD50 (calculated): Not available		LC50 (calculated): 49 ppm/4 Hr		

OTHER TOXIC EFFECTS: Breathing vapours may cause delayed lung injury. TLV: TWA 2 ppm, STEL 4 ppm (Nitric acid)

EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: Not available.

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. Get medical attention for any breathing difficulty.

VII - FIRE AND EXPLOSION DATA

FLAMMABLE: No

FLASH POINT, °C: not applicable

AUTO IGNITION TEMPERATURE, °C: N/Ap

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: Oxides of nitrogen.

EXPLOSIVE SENSITIVITY TO: not applicable

VIII - REACTIVITY DATA

STABILITY: Stable [x] Unstable []

CONDITIONS TO AVOID: not applicable.

INCOMPATIBILITY (Material to Avoid) : Alkaline and chlorinated materials. Aluminum, brass, copper, iron, mild steel. Organic materials.

HAZARDOUS DECOMPOSITION PRODUCTS: Contact with chlorinated materials will release chlorine gas. Contact with alkali will generate heat. Contact with soft metals forms flammable hydrogen gas. Contact with organic materials will generate heat.

REACTIVITY: not applicable.

IX - MSDS PREPARATION

SOURCES USED: RTECS, Industrial Chemicals Safety Manual.

PREPARED BY: JohnsonDiversey Canada, Inc.
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Food Division
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