



I - PRODUCT IDENTIFICATION AND USE				MSDS ID: 0028	
PRODUCT NAME: DIVOSAN MH					
USE: Acid Sanitizer					
SUPPLIER: JohnsonDiversey Canada, Inc. 2401 Bristol Circle Oakville Ontario, L6H 6P1, Canada			EMERGENCY PHONE: 1-800-668-7171		
WHMIS CLASSIFICATION: D1A E CHEMICAL FAMILY: Acid			TRADE NAME / SYNONYMS: not applicable CHEMICAL NAME: not applicable		
II - HAZARDOUS INGREDIENTS					
HAZARDOUS INGREDIENT	% w/w	CAS #	LD50 / LC50	Route / Species	
Nitric acid	15-40	007697-37-2	LC50 49 ppm/4H	inh/rat	
Iodine	1-5	007553-56-2	LD50 14000 mg/kg	oral/rat	
III - HANDLING AND DISPOSAL PROCEDURES					
PERSONAL PROTECTIVE EQUIPMENT: Gloves: Neoprene Eye: safety goggles Footwear: not required Respiratory: If mists are generated, use NIOSH approved mask Other: impermeable apron, coverall					
SPECIAL HANDLING PROCEDURES AND EQUIPMENT: Do not breathe vapours. Avoid skin and eye contact.					
VENTILATION REQUIREMENTS: mechanical exhaust.					
INCOMPATIBILITY (Material to Avoid): Alkalis, ammonia. Organic materials.					
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, orange liquid - pungent odour					
S.G. / BULK DENSITY(g/cc): 1.18			pH: < 1.0		
VAPOUR PRESSURE (mmHg): not applicable			VAPOUR DENSITY (air=1): not applicable		
ODOUR THRESHOLD: not available			BOILING POINT: approx. 100°C		
FREEZING POINT: not available			PERCENT VOLATILE: 95%		
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. INHALATION: Inhalation of spray or mist causes irritation of the respiratory tract.					
LD50 (calculated): not available			LC50 (calculated): 49 ppm/4 hr		

OTHER TOXIC EFFECTS: Probable lethal dose (to humans) of iodine is 2-4 grams. Nitric acid TLV-TWA 5 mg/m3, STEL 10 mg/m3; Iodine TLV-CEIL 1 mg/m3	
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.
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. Iodine	
EXPLOSIVE SENSITIVITY TO: not applicable	
VIII - REACTIVITY DATA	
STABILITY: Stable [x] Unstable []	
CONDITIONS TO AVOID: not applicable	
INCOMPATIBILITY (Material to Avoid) :	Alkaline and chlorine containing products. Ammonia. Aluminum, brass, copper, iron, mild steel. Organic materials.
HAZARDOUS DECOMPOSITION PRODUCTS:	Contact with alkali will generate heat and may release iodine. Contact with ammonia will produce nitrogen triiodide and ammonium nitrate, both products being explosive when dry. Contact with soft metals will generate explosive hydrogen gas. Contact with organic materials will generate heat.
REACTIVITY: not dangerously reactive	
IX - MSDS PREPARATION	
SOURCES USED: RTECS,	PREPARED BY: JohnsonDiversey Canada, Inc. Regulatory Department Food Division Phone (905) 829-1200
PREPARATION DATE: April 24, 2003	
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