



I - PRODUCT IDENTIFICATION AND USE

MSDS ID: 8523172

PRODUCT NAME: ACID 40**USE:** Low-foaming acid cleaner**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
Sulphuric acid	5-10	007664-93-9	LD50 2140 mg/kg	oral/rat
Phosphoric acid	10-30	007664-38-2	LD50 1530 mg/kg	oral/rat

III - HANDLING AND DISPOSAL PROCEDURES

PERSONAL PROTECTIVE EQUIPMENT:**Gloves:** Neoprene, Nitrile**Eye:** Safety goggles, face shield**Footwear:** Rubber boots**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. UN3264

IV - PHYSICAL PROPERTIES

APPEARANCE / ODOUR: Clear, red liquid**S.G. / BULK DENSITY(g/cc):** 1.14**pH:** < 2.0**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:** 75%**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): 6931 mg/kg		LC50 (calculated): not available	
OTHER TOXIC EFFECTS: TLV-TWA 1 mg/m3 as Sulphuric Acid. IARC has classified "occupational exposure to strong acid mists containing sulphuric acid" as being carcinogenic to humans. The route of entry is inhalation of these mists that may result in respiratory (laryngeal) cancers. There is no evidence that the liquid is in any way a carcinogen.			
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 carbon and sulfur. Hydrogen sulfide.			
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. Aluminium, 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 dangerously reactive			
IX - MSDS PREPARATION			
SOURCES USED: RTECS, Industrial Chemicals Safety Manual		PREPARED BY: JohnsonDiversey Canada, Inc. Regulatory Department Food Division Phone (905) 829-1200	
PREPARATION DATE: April 15, 2003			
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