



I - PRODUCT IDENTIFICATION AND USE

MSDS ID: 11562

PRODUCT NAME: DUBOIS MC 2310**USE:** Acid Cleaner**SUPPLIER:**JohnsonDiversey Canada, Inc.
2401 Bristol Circle
Oakville Ontario, L6H 6P1, Canada**EMERGENCY PHONE:****1-800-668-7171****WHMIS CLASSIFICATION:** 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
Acetic acid	7-13	000064-19-7	LD50 3310 mg/kg	oral/rat
Citric acid	0.5-1.5	000077-92-9	LD50 5040 mg/kg	oral/mou

III - HANDLING AND DISPOSAL PROCEDURES

PERSONAL PROTECTIVE EQUIPMENT:**Gloves:** natural rubber or neoprene**Eye:** safety goggles**Footwear:** rubber boots**Respiratory:** NIOSH acid mist mask required in absence of adequate ventilation**Other:** rubber apron**SPECIAL HANDLING PROCEDURES AND EQUIPMENT:** Do not breathe mist, spray or vapours. If spraying, wear NIOSH approved respirator for acid mist. 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.

IV - PHYSICAL PROPERTIES

APPEARANCE / ODOUR: Clear off white liquid with mild odour**S.G. / BULK DENSITY(g/cc):** 1.05**pH:** 1.0**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:** >85%**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): 21000 mg/kg		LC50 (calculated): Not available	
OTHER TOXIC EFFECTS: Acetic Acid TLV-TWA 10 ppm (~25 mg/m3), STEL 15 ppm (~37 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 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.			
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. Regulatory Department Industrial Division Phone (905) 829-1200	
PREPARATION DATE: February 18, 2004			
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