



I - PRODUCT IDENTIFICATION AND USE				MSDS ID: 1380	
PRODUCT NAME: CLARATEX SOUR					
USE: Laundry Sour					
SUPPLIER: JohnsonDiversey Canada, Inc. 2401 Bristol Circle Oakville Ontario, L6H 6P1, Canada			EMERGENCY PHONE: 1-800-668-7171		
WHMIS CLASSIFICATION: D2B E CHEMICAL FAMILY: Organic acid			TRADE NAME / SYNONYMS: not applicable CHEMICAL NAME: Formic acid		
II - HAZARDOUS INGREDIENTS					
HAZARDOUS INGREDIENT	% w/w	CAS #	LD50 / LC50	Route / Species	
Formic acid	30-60	000064-18-6	LD50 1294 mg/kg	oral/rat	
III - HANDLING AND DISPOSAL PROCEDURES					
PERSONAL PROTECTIVE EQUIPMENT: Gloves: impermeable gloves Eye: safety glasses Footwear: not required Respiratory: If mists are generated, use NIOSH approved mask Other: not applicable					
SPECIAL HANDLING PROCEDURES AND EQUIPMENT: Do not breathe mist or spray. Avoid eye and skin contact.					
VENTILATION REQUIREMENTS: Mechanical exhaust.					
INCOMPATIBILITY (Material to Avoid): Alkaline and chlorinated materials.					
SPILL PROCEDURES: Neutralize with sodium bicarbonate, sodium carbonate or lime. Sweep or scoop up material 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: Light yellow liquid, mild odour.					
S.G. / BULK DENSITY(g/cc): 1.08			pH: 1.2		
VAPOUR PRESSURE (mmHg): not available			VAPOUR DENSITY (air=1): not applicable		
ODOUR THRESHOLD: not applicable			BOILING POINT: approx. 100°C		
FREEZING POINT: approx. 0°C			PERCENT VOLATILE: 60%		
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 permanent damage if not treated promptly. SKIN: Corrosive. May cause severe irritation. INGESTION: Corrosive. May cause severe irritation of the digestive tract. INHALATION: Breathing mist may cause respiratory irritation.					
LD50 (calculated): 3806 mg/kg			LC50 (calculated): not available		

OTHER TOXIC EFFECTS: none known	
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. 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:
EXTINGUISHING MEDIA: Water [X] Dry Chemical [X] Carbon Dioxide [X] Foam [X] Other []	
SPECIAL FIRE FIGHTING PROCEDURES: Closed containers may explode when exposed to extreme heat.	
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) : Strong alkaline products, chlorinated products.	
HAZARDOUS DECOMPOSITION PRODUCTS: Thermal-oxides of carbon/contact with metals may form hydrogen.	
REACTIVITY: not dangerously reactive	
IX - MSDS PREPARATION	
SOURCES USED: RTECS	PREPARED BY: JohnsonDiversey Canada, Inc. Regulatory Department Institutional Division Phone (905) 829-1200
PREPARATION DATE: April 15, 2003	
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