



I - PRODUCT IDENTIFICATION AND USE

MSDS ID: 11041

PRODUCT NAME: CLAX 4DL1**USE:** Color safe oxygen bleach**SUPPLIER:**JohnsonDiversey Canada, Inc.
2401 Bristol Circle
Oakville Ontario, L6H 6P1, Canada**EMERGENCY PHONE:****1-800-668-7171****WHMIS CLASSIFICATION:** C E F**CHEMICAL FAMILY:** Oxidizer**TRADE NAME / SYNONYMS:** not applicable**CHEMICAL NAME:** not applicable

II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	% w/w	CAS #	LD50 / LC50	Route / Species
Hydrogen peroxide	5-10	007722-84-1	LD50 2000 mg/kg	oral/ mouse
Sodium nitritotriacetate	0.5- 1.5	005064-31-3	LD50 1100 mg/kg	oral/rat

III - HANDLING AND DISPOSAL PROCEDURES

PERSONAL PROTECTIVE EQUIPMENT:**Gloves:** Natural Rubber, neoprene or nitrile**Eye:** Safety goggles**Footwear:** Rubber boots**Respiratory:** If mists are generated, use NIOSH approved mask**Other:** Not normally required.**SPECIAL HANDLING PROCEDURES AND EQUIPMENT:** Avoid eye and skin contact. Avoid breathing mist, spray or vapours. If conditions exceed TLV (1ppm) NIOSH approved respirator required.**VENTILATION REQUIREMENTS:** General ventilation**INCOMPATIBILITY (Material to Avoid):** Most organic or readily oxidizable materials, metals and their salts. Reducing agents**SPILL PROCEDURES:** Contain the spill. Do not allow the spilled product to go to drain. Wash spill area with large volumes of water. Collect for disposal.**WASTE DISPOSAL:** Dispose according to municipal, provincial, and federal regulations.**STORAGE / SHIPPING REQUIREMENT:** Store in a cool dry area in a closed container. Store away from contaminants and heat sources and light.

IV - PHYSICAL PROPERTIES

APPEARANCE / ODOUR: Clear, colourless liquid**S.G. / BULK DENSITY(g/cc):** 1.05**pH:** (concentrate): 5.5**VAPOUR PRESSURE (mmHg):** 23.0 @ 20°C**VAPOUR DENSITY (air=1):** not available**ODOUR THRESHOLD:** not applicable**BOILING POINT:** approx. 100°C**FREEZING POINT:** approx. 0°C**PERCENT VOLATILE:** approx. 98%**SOLUBILITY IN WATER:** soluble**EVAPORATION RATE (water=1):** not available

V - TOXICOLOGICAL PROPERTIES

EFFECTS OF ACUTE EXPOSURE TO MATERIAL:**EYES:** Corrosive. May cause severe irritation. May cause temporary or 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 irritaion of the digestive system. The sudden evolution of oxygen may cause injury by acute distention of the oesophagus or stomach and may cause internal bleeding.

INHALATION: Corrosive. Breathing spray, mist or vapours. may cause respiratory irritation.	
LD50 (calculated): 23,732mg/kg	LC50 (calculated): Not available
OTHER TOXIC EFFECTS: Severe irritant. May cause corrosive tissue damage. TLV: TWA (hydrogen peroxide): 1 ppm (1.4 mg/m3)	
EFFECTS OF CHRONIC EXPOSURE TO MATERIAL:	This product contains NTA. In laboratory tests, rats and mice continuously fed highly exaggerated doses of NTA showed evidence of urinary tract (bladder and kidney) toxicity, including cancer; lower doses showed none of these toxic effects. By ACGIH guidelines, NTA would not be considered an occupational (human) carcinogen of any practical significance.
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: May release oxygen contributing to combustion.	
HAZARDOUS COMBUSTION PRODUCTS: Oxides of nitrogen, carbon.	
EXPLOSIVE SENSITIVITY TO: Heat	
VIII - REACTIVITY DATA	
STABILITY: Stable [] Unstable [X]	
CONDITIONS TO AVOID: High temperature and light. High temperature may facilitate detonation.	
INCOMPATIBILITY (Material to Avoid) : Most organic or readily oxidizable materials, metals and their salts. Reducing agents.	
HAZARDOUS DECOMPOSITION PRODUCTS:	Decomposition causes evolution of oxygen and heat. Contact with organic or readily oxidizable materials causes fire and explosions. Contact with many metals causes rapid decomposition with evolution of oxygen and heat.
REACTIVITY:	Can cause ignition of combustible or oxidizable materials on contact. May decompose violently on contact with metals or their salts, dust or other contaminants.
IX - MSDS PREPARATION	
SOURCES USED: RTECS, MSDS, Hydrogen Peroxide 6%	PREPARED BY: JohnsonDiversey Canada. Inc. Regulatory Department Institutional Division Phone (905) 829-1200
PREPARATION DATE: April 15, 2003	
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