



I - PRODUCT IDENTIFICATION AND USE

MSDS ID: 0055

PRODUCT NAME: FILTERED 20% W/V SODIUM HYPOCHLORITE**USE:** Liquid Bleach**SUPPLIER:**

JohnsonDiversey Canada, Inc.
2401 Bristol Circle
Oakville Ontario, L6H 6P1, Canada

EMERGENCY PHONE:

1-800-668-7171

WHMIS CLASSIFICATION: D2B E**CHEMICAL FAMILY:** Hypochlorous acid salt**TRADE NAME / SYNONYMS:** not applicable**CHEMICAL NAME:** Sodium hypochlorite solution

II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	% w/w	CAS #	LD50 / LC50	Route / Species
Sodium hypochlorite	10-30	007681-52-9	LD50 8910 mg/kg	oral/rat

III - HANDLING AND DISPOSAL PROCEDURES

PERSONAL PROTECTIVE EQUIPMENT:**Gloves:** natural rubber or neoprene**Eye:** safety goggles**Footwear:** not applicable**Respiratory:** If mists are generated, use NIOSH approved mask**Other:** impermeable apron**SPECIAL HANDLING PROCEDURES AND EQUIPMENT:** Avoid eye and skin contact.**VENTILATION REQUIREMENTS:** mechanical exhaust**INCOMPATIBILITY (Material to Avoid):** Acids, oxidizable materials, ammonia, urea, other nitrogenous materials, metals, and organic solvents.**SPILL PROCEDURES:** Contain the spill. Do not allow the spilled product to go to drain. Neutralize with sodium sulfite, sodium bisulphite, or dilute hydrogen peroxide. 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. Keep away from oxidizable materials. UN1791

IV - PHYSICAL PROPERTIES

APPEARANCE / ODOUR: Clear, yellow-green liquid - chlorine odour**S.G. / BULK DENSITY(g/cc):** 1.26 ± 0.01**pH:** (concentrate): 12.5 ± 0.5**VAPOUR PRESSURE (mmHg):** 17.5**VAPOUR DENSITY (air=1):** not applicable**ODOUR THRESHOLD:** chlorine is 0.5-3 ppm**BOILING POINT:** approx. 100°C**FREEZING POINT:** -30°C**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 permanent damage if not treated promptly. May lead to convulsions, coma and death.**INHALATION:** May cause irritation of the nose and throat, coughing, difficulty breathing; may cause pulmonary edema.

LD50 (calculated): 8910 mg/kg		LC50 (calculated): not available	
OTHER TOXIC EFFECTS: Sodium Hypochlorite TSA 0.5 ppm (Cl2), STEL 1 ppm (Cl2)			
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 eye lids open while rinsing. Contact a physician immediately.			
SKIN: Flush affected area thoroughly with water. If irritation persists, contact a physician.			
INGESTION: Drink large volumes of water . Never give anything by mouth to an unconscious person. Do not induce vomiting. Contact a physician immediately.			
INHALATION: Remove patient to fresh air. If breathing difficulty occurs, get medical attention.			
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 and full protective equipment.			
HAZARDOUS COMBUSTION PRODUCTS: chlorine gas			
EXPLOSIVE SENSITIVITY TO: nor available			
VIII - REACTIVITY DATA			
STABILITY: Stable [] Unstable [X]			
CONDITIONS TO AVOID: Decomposes slowly. Do not expose to temperatures above 40°C (104°F), sunlight, heat or metals. Do not allow solutions to evaporate dry.			
INCOMPATIBILITY (Material to Avoid) : Acids, oxidizable materials, ammonia, urea, metals and organic solvents.			
HAZARDOUS DECOMPOSITION PRODUCTS: Chlorine gas is released by contact with acids; oxygen is released by contact with metals. Contact with ammonia and urea produce nitrogen gas and chloramines. Contact with oxidizable materials produces heat which may generate chlorine gas.			
REACTIVITY: Contact with organohalogen compounds may form spontaneously combustible compounds.			
IX - MSDS PREPARATION			
SOURCES USED: RTECS		PREPARED BY: JohnsonDiversey Canada, Inc. Regulatory Department Industrial Division Phone (905) 829-1200	
PREPARATION DATE: April 15, 2003			
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