



I - PRODUCT IDENTIFICATION AND USE

MSDS ID: 0434

PRODUCT NAME: ECLIPSE**USE:** Machine Warewashing Detergent**SUPPLIER:**JohnsonDiversey Canada, Inc.
2401 Bristol Circle
Oakville Ontario, L6H 6P1, Canada**EMERGENCY PHONE:****1-800-668-7171****WHMIS CLASSIFICATION:** D2B E**CHEMICAL FAMILY:** chlorinated alkali**TRADE NAME / SYNONYMS:** not applicable**CHEMICAL NAME:** not applicable

II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	% w/w	CAS #	LD50 / LC50	Route / Species
Sodium hydroxide	7-13	001310-73-2	LD ₅₀ 500 mg/kg	oral/rat
Sodium carbonate	3-7	000497-19-8	LD ₅₀ 4090 mg/kg	oral/rat
Sodium hypochlorite (10.5%-solution)	10-30	007681-52-9	LD ₅₀ 4445 mg/kg	oral/rat

III - HANDLING AND DISPOSAL PROCEDURES

PERSONAL PROTECTIVE EQUIPMENT:**Gloves:** Natural Rubber, Neoprene or Nitrile **Eye:** safety goggles **Footwear:** not required**Respiratory:** If mists are generated, use NIOSH approved mask. **Other:** not required**SPECIAL HANDLING PROCEDURES AND EQUIPMENT:** Avoid eye and skin contact.**VENTILATION REQUIREMENTS:** general ventilation**INCOMPATIBILITY (Material to Avoid):** acids**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. Wear protective equipment during clean up.**WASTE DISPOSAL:** Dispose according to municipal, provincial, and federal regulations.**STORAGE / SHIPPING REQUIREMENT:** Store in a cool dry area in a closed container. UN1760

IV - PHYSICAL PROPERTIES

APPEARANCE / ODOUR: White slurry - chlorine odour**S.G. / BULK DENSITY(g/cc):** 1.40**pH:** (Concentrate): 13.0**VAPOUR PRESSURE (mmHg):** not applicable**VAPOUR DENSITY (air=1):** not applicable**ODOUR THRESHOLD:** 0.2-0.4 ppm chlorine**BOILING POINT:** not available**FREEZING POINT:** not available**PERCENT VOLATILE:** 48%**SOLUBILITY IN WATER:** soluble**EVAPORATION RATE (water=1):** Approx: 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. 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:** Corrosive. Inhalation of spray or mist may cause severe respiratory irritation.

LD50 (calculated): 3352 mg/kg		LC50 (calculated): not available	
OTHER TOXIC EFFECTS: TLV-TWA (Sodium hypochlorite): 0.5 ppm, STEL (Sodium hypochlorite): 1 ppm, CL (Sodium hydroxide): 2 mg/m3			
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. Do not induce vomiting. Contact a physician immediately.		
INHALATION:	Remove patient to fresh air.		
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: chlorine gas			
EXPLOSIVE SENSITIVITY TO: not applicable			
VIII - REACTIVITY DATA			
STABILITY: Stable [x] Unstable []			
CONDITIONS TO AVOID: high temperatures			
INCOMPATIBILITY (Material to Avoid) : acids			
HAZARDOUS DECOMPOSITION PRODUCTS: Contact with acids generates heat and chlorine gas.			
REACTIVITY: not dangerously reactive			
IX - MSDS PREPARATION			
SOURCES USED: RTECS, R.M. MSDS		PREPARED BY: JohnsonDiversey Canada, Inc. Regulatory Department Institutional Division Phone (905) 829-1200	
PREPARATION DATE: April 15, 2003			
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