



I - PRODUCT IDENTIFICATION AND USE

MSDS ID: 57446

PRODUCT NAME: PLASTREN H**USE:** Medium caustic detergent for hard water applications.**SUPPLIER:**JohnsonDiversey Canada, Inc.
2401 Bristol Circle
Oakville Ontario, L6H 6P1, Canada**EMERGENCY PHONE:****1-800-668-7171****WHMIS CLASSIFICATION:** E**CHEMICAL FAMILY:** alkali**TRADE NAME / SYNONYMS:** not applicable**CHEMICAL NAME:** not applicable

II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	% w/w	CAS #	LD50 / LC50	Route / Species
Sodium hydroxide	10-30	001310-73-2	LDLo 500 mg/kg	oral/rab
Potassium hydroxide	5-10	001310-58-3	LD50 365 mg/kg	oral/rat
Tetrasodium edta	10-30	000064-02-8	LD50 3200 mg/kg	oral/rat

III - HANDLING AND DISPOSAL PROCEDURES

PERSONAL PROTECTIVE EQUIPMENT:**Gloves:** Natural Rubber, Neoprene or Nitrile **Eye:** Safety Goggles **Footwear:** As required**Respiratory:** If mists are generated, use NIOSH approved mask **Other:** Rubber apron**SPECIAL HANDLING PROCEDURES AND EQUIPMENT:** Avoid eye and skin contact.**VENTILATION REQUIREMENTS:** Mechanical exhaust**INCOMPATIBILITY (Material to Avoid):** Acids, 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. Avoid freezing. UN3266

IV - PHYSICAL PROPERTIES

APPEARANCE / ODOUR: Odourless, clear to hazy yellow liquid**S.G. / BULK DENSITY(g/cc):** 1.35**pH:** (1%) 12.4**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:** 64%**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 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.**INHALATION:** Breathing spray or mist may cause respiratory irritation.

LD50 (calculated): 1,844 mg/kg		LC50 (calculated): not available	
OTHER TOXIC EFFECTS: TWA 2 mg/m3 (Sodium hydroxide); TLV CL 2 mg/m3 (Potassium hydroxide)			
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.		
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, nitrogen.			
EXPLOSIVE SENSITIVITY TO: not applicable			
VIII - REACTIVITY DATA			
STABILITY: Stable [x] Unstable []			
CONDITIONS TO AVOID: Not applicable			
INCOMPATIBILITY (Material to Avoid) : Acids, soft metals.			
HAZARDOUS DECOMPOSITION PRODUCTS: Heat released on contact with acids. Contact with soft metals forms flammable hydrogen gas.			
REACTIVITY: not dangerously reactive			
IX - MSDS PREPARATION			
SOURCES USED: RTECS, Supplier MSDS		PREPARED BY: JohnsonDiversey Canada. Inc. Regulatory Department Food Division Phone (905) 829-1200	
PREPARATION DATE: April 15, 2003			
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