



I - PRODUCT IDENTIFICATION AND USE

MSDS ID: 2846

PRODUCT NAME: RAILWAY PRO-KLEEN**USE:** Liquid Powerwash Compound for Railcars**SUPPLIER:**JohnsonDiversey Canada, Inc.
2401 Bristol Circle
Oakville Ontario, L6H 6P1, Canada**EMERGENCY PHONE:****1-800-668-7171****WHMIS CLASSIFICATION:** D2B E**CHEMICAL FAMILY:** Caustic Alkali**TRADE NAME / SYNONYMS:** not applicable**CHEMICAL NAME:** not applicable

II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	% w/w	CAS #	LD50 / LC50	Route / Species
Sodium nitrilotriacetate	0.5- 1.5	005064-31-3	LD50 1100 mg/kg	oral/rat
Sodium hydroxide	1-5	001310-73-2	LDLo 500 mg/kg	oral/rab
Sodium dodecylbenzene sulphonate	0.5- 1.5	025155-30-0	LD50 1260 mg/kg	oral/rat

III - HANDLING AND DISPOSAL PROCEDURES

PERSONAL PROTECTIVE EQUIPMENT:**Gloves:** natural rubber or neoprene**Eye:** safety goggles**Footwear:** rubber boots**Respiratory:** If mists are generated, use NIOSH approved mask**Other:** face shield, rubber apron**SPECIAL HANDLING PROCEDURES AND EQUIPMENT:** Avoid eye and skin contact. Do not breathe mist or spray.**VENTILATION REQUIREMENTS:** general ventilation**INCOMPATIBILITY (Material to Avoid):** acidic materials**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. UN1760

IV - PHYSICAL PROPERTIES

APPEARANCE / ODOUR: Clear red liquid**S.G. / BULK DENSITY(g/cc):** 1.05**pH:** (concentrate): 13**VAPOUR PRESSURE (mmHg):** not available**VAPOUR DENSITY (air=1):** not available**ODOUR THRESHOLD:** not available**BOILING POINT:** 100°C**FREEZING POINT:** 0°C**PERCENT VOLATILE:** 90%**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): 11150 mg/kg		LC50 (calculated): not available	
OTHER TOXIC EFFECTS: Sodium Hydroxide TWA 2 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.		
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: not required			
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) : acidic materials			
HAZARDOUS DECOMPOSITION PRODUCTS: Heat released on contact with acids.			
REACTIVITY: not dangerously reactive			
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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