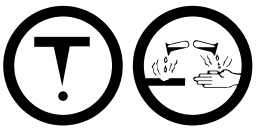
JohnsonDiversey

MATERIAL SAFETY DATA SHEET



I - PRODUCT IDENTIFICATION AND USE

MSDS ID: 0450

PRODUCT NAME: LEVER CLEAN WASH MATE

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: caustic alkali

TRADE NAME / SYNONYMS: not applicable
CHEMICAL NAME: not applicable

II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	% w/w	CAS #	LD50 / LC50	Route / Species
Potassium hydroxide	10-30	001310-58-3	LD50 273 mg/kg	oral/rat
Sodium metasilicate	1-5	006834-92-0	LD50 1153 mg/kg	oral/rat
Tetrapotassium pyrophosphate	1-5	007320-34-5	LD50 2980 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:** rubber apron as required

SPECIAL HANDLING PROCEDURES AND EQUIPMENT: Avoid eye and skin contact.

VENTILATION REQUIREMENTS: General ventilation.

INCOMPATIBILITY (Material to Avoid): acids, aluminum, zinc

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.

IV - PHYSICAL PROPERTIES

APPEARANCE / ODOUR: Clear red liquid

S.G. / BULK DENSITY(g/cc): 1.41
pH: (concentrate): 13.5

VAPOUR PRESSURE (mmHg): not available
VAPOUR DENSITY (air=1): not available

ODOUR THRESHOLD: not applicable
BOILING POINT: approx. 100°C

FREEZING POINT: approx. -10°C
PERCENT VOLATILE: approx. 60%

SOLUBILITY IN WATER: soluble
EVAPORATION RATE (water=1): 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 permanent damage if not treated promptly.

INHALATION: Corrosive. Inhalation of spray or mist may cause severe respiratory irritation.

LD50 (calculated): LD50 1176 mg/kg	**LC50 (calculated):** not applicable

OTHER TOXIC EFFECTS: TLV (Potassium hydroxide): CL: 2 mg/m3; TLV (Sodium metalsilicate): 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 or 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: Wear self-contained breathing apparatus.

HAZARDOUS COMBUSTION PRODUCTS: not applicable.

EXPLOSIVE SENSITIVITY TO: not applicable

VIII - REACTIVITY DATA

STABILITY: Stable [x] Unstable [ ]

CONDITIONS TO AVOID: not applicable

INCOMPATIBILITY (Material to Avoid) : acids, aluminum, zinc

HAZARDOUS DECOMPOSITION PRODUCTS: Heat released on contact with acids. Contact with aluminum or zinc generates hydrogen gas. Nitrogen oxides, carbon monoxide.

REACTIVITY: not dangerously reactive

IX - MSDS PREPARATION

SOURCES USED: RTECS, ChemInfo	**PREPARED BY:** JohnsonDiversey Canada, Inc. Regulatory Department Institutional Division Phone (905) 829-1200
PREPARATION DATE: April 15, 2003	

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