

SUPPLIER:

MATERIAL SAFETY

DATA SHEET



I - PRODUCT IDENTIFICATION AND USE

PRODUCT NAME: LEVER CLEAN HARD WATER DETERGENT

Machine Warewashing Detergent USE:

DiverseyLever Canada division of U L Canada Inc.

2401 Bristol Circle

Oakville Ontario, L6H 6P1, Canada

WHMIS CLASSIFICATION: CHEMICAL FAMILY:

caustic alkali

D2B E

CHEMICAL NAME:

EMERGENCY PHONE

not applicable

TRADE NAME / SYNONYMS:

not applicable

1-800-668-7171

II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT % w/w CAS# LD50 / LC50 Route / Species 7-13 001310-73-2 oral/tab LDLo 500 mg/kg Sodium hydroxide Sodium nitrilotriacetate 10-30 005064-31-3 LD50 1100 mg/kg oral/hat

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

Other: rubber apron as required

mask.

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 liquid

S.G. / BULK DENSITY(g/cc): 1.28

not available

13.5

VAPOUR PRESSURE (mmHg):

VAPOUR DENSITY (air=1):

not available

ODOUR THRESHOLD:

not applicable

BOILING POINT:

approx. 100°C

FREEZING POINT: approx. -10°C

SOLUBILITY IN WATER:

soluble

PERCENT VOLATILE:

EVAPORATION RATE (water=1):

67%

V - TOXICOLOGICAL PROPERTIES

EFFECTS OF ACUTE EXPOSURE TO MATERIAL:

EYES:

Corrosive. May cause severe imitation. 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 imitation of the digestive tract. May cause permanent damage if not treated promptly.

DiverseyLever Material Safety Data Sheet:

LEVER CLEAN HARD WATER DETERGENT

Page

INHALATION: Corrosive. Inhalation of spray or mist may cause severe respiratory irritation. LC50 (calculated): not applicable LD50 (calculated): LD50 2500 mg/kg OTHER TOXIC EFFECTS: TLV-Cl. (sodium hydroxide) 2 mg/m3 This product contains NTA. In laboratory tests, rats and mice continuously fed highly exaggerated doses of NTA EFFECTS OF CHRONIC showed evidence of urinary tract (bladder and kidney) toxicity, including cancer; lower doses showed none of EXPOSURE TO MATERIAL: these toxic effects. By ACGIH guidelines, NTA would not be considered an occupational (human) carcinogen or any practical significance. VI - FIRST AID MEASURES Flush eyes with plenty of water for at least 15 minutes. Hold eyelids open while rinsing. Contact a physician immediately. EYES: Flush affected area thoroughly with water, if irritation develops, contact a physician. SKIN: Drink large volumes of water. Never give anything by mouth to an unconscious patient. Do not induce vomiting. Contact a physician INGESTION: INHALATION: Remove patient to fresh air. Get medical attention for any breathing difficulty. VII - FIRE AND EXPLOSION DATA FLAMMABLE: No AUTO IGNITION TEMPERATURE, °C: N/Ap FLASH POINT, *C: not applicable Carbon Dioxide [x] EXTINGUISHING MEDIA: Dry Chemical [x] Foam [x] Other [] Water [x] 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: Unstable [] Stable [x] CONDITIONS TO AVOID: not applicable INCOMPATIBILITY (Material to Avoid) : acids, aluminum, zinc Heat released on contact with acids. Contact with aluminum or zinc generates hydrogen gas. HAZARDOUS DECOMPOSITION PRODUCTS: REACTIVITY: not dangerously reactive IX - MSDS PREPARATION PREPARED BY: DiverseyLever Canada SOURCES USED: RTECS, Cheminfo Research and Development Department PREPARATION DATE: April 15, 2000 Institutional Division Phone (905) 829-1200 information on this form is furnished in compliance with the Regulations Respecting Controlled Products under the Hazardous Products Act and is not to be used for any other purpose, nor is it to be reproduced or published. DiverseyLever Canada assumes no responsibility for injury to any

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