



MATERIAL SAFETY DATA SHEET



I - PRODUCT IDENTIFICATION AND USE

MSDS ID: 01154

PRODUCT NAME: DIVOS 116

USE: RO/UF Membrane Cleaner

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	7 - 13	001310-73-2	LDLo 500 mg/kg	oral/rab
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:** Not normally 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

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.

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IV - PHYSICAL PROPERTIES

APPEARANCE / ODOUR: Clear pale yellow liquid

S.G. / BULK DENSITY(g/cc): 1.23

pH: (1%) 12.5

VAPOUR PRESSURE (mmHg): 17.5 @ 20°C

VAPOUR DENSITY (air=1): not applicable

ODOUR THRESHOLD: not available

BOILING POINT: 100°C

FREEZING POINT: not available

PERCENT VOLATILE: 70%

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): 3941 mg/kg

LC50 (calculated): not available

OTHER TOXIC EFFECTS: TWA 2 mg/m3 (Sodium hydroxide)

EFFECTS OF CHRONIC not available

EXPOSURE TO MATERIAL:

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 applicable

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

HAZARDOUS DECOMPOSITION PRODUCTS: Heat released on contact with acids.

REACTIVITY: not dangerously reactive

IX - MSDS PREPARATION

SOURCES USED: RTECS, Supplier MSDS

PREPARED BY: JohnsonDiversey Canada, Inc.
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