



I - PRODUCT IDENTIFICATION AND USE

MSDS ID: 2367

PRODUCT NAME: NEPTUNE

USE: Laundry Detergent

SUPPLIER:

JohnsonDiversey Canada, Inc.
2401 Bristol Circle
Oakville Ontario, L6H 6P1, Canada

EMERGENCY PHONE:

1-800-668-7171

WHMIS CLASSIFICATION: D2A

CHEMICAL FAMILY: surfactant

TRADE NAME / SYNONYMS: not applicable

CHEMICAL NAME: not applicable

II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	% w/w	CAS #	LD50 / LC50	Route / Species
Propylene glycol	1-5	000057-55-6	LD50 20000 mg/kg	oral/rat
Sodium dodecylbenzene sulphonate	5-10	025155-30-0	LD50 1260 mg/kg	oral/rat
Sodium nitilotriacetate	10-30	005064-31-3	LD50 1100 mg/kg	oral/rat
Sodium lauryl ether sulfate	5-10	004004-82-4	LD50 1600 mg/kg	oral/rat

III - HANDLING AND DISPOSAL PROCEDURES

PERSONAL PROTECTIVE EQUIPMENT:

Gloves: Nitrile, Neoprene or Natural Rubber

Eye: safety glasses

Footwear: not required

Respiratory: not required

Other: not required

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

VENTILATION REQUIREMENTS: general ventilation

INCOMPATIBILITY (Material to Avoid): Strong oxidizers, acids

SPILL PROCEDURES: Mop up or soak up with absorbant 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.

IV - PHYSICAL PROPERTIES

APPEARANCE / ODOUR: Blue, translucent liquid, perfumed

S.G. / BULK DENSITY(g/cc): 1.19 - 1.21

pH: 9.7 - 10.3

VAPOUR PRESSURE (mmHg): not applicable

VAPOUR DENSITY (air=1): not applicable

ODOUR THRESHOLD: not applicable

BOILING POINT: 100°C

FREEZING POINT: 0°C

PERCENT VOLATILE: 84%

SOLUBILITY IN WATER: soluble

EVAPORATION RATE (water=1): not applicable

V - TOXICOLOGICAL PROPERTIES

EFFECTS OF ACUTE EXPOSURE TO MATERIAL:

EYES: May cause irritation. May cause temporary or permanent damage if not treated promptly.

SKIN: Repeated or prolonged contact may result in irritation.

INGESTION: May cause irritation.

INHALATION: No serious or irreversible effects expected.

LD50 (calculated): 3385 mg/kg		LC50 (calculated): Not applicable	
OTHER TOXIC EFFECTS: TLV (Propylene glycol) 50 ppm AIHA WEEL			
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 effect. 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: No special procedures.			
HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon, nitrogen, sulphur.			
EXPLOSIVE SENSITIVITY TO: not applicable			
VIII - REACTIVITY DATA			
STABILITY: Stable [x] Unstable []			
CONDITIONS TO AVOID: oxidizing materials			
INCOMPATIBILITY (Material to Avoid) : Strong oxidizers and acids			
HAZARDOUS DECOMPOSITION PRODUCTS: Heat released on contact with strong oxidizers. Heat release on contact with acids.			
REACTIVITY: not dangerously reactive.			
IX - MSDS PREPARATION			
SOURCES USED: RTECS		PREPARED BY: JohnsonDiversey Canada. Inc. Regulatory Department Institutional Division Phone (905) 829-1200	
PREPARATION DATE: April 15, 2003			
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