

I - PRODUCT IDENTIFICATION AND USE

MSDS ID: 2493

PRODUCT NAME: R2a DISINFECTANT CLEANER

USE: Neutral Cleaner

SUPPLIER:

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

EMERGENCY PHONE:

1-800-668-7171

WHMIS CLASSIFICATION: exempt

CHEMICAL FAMILY: Surfactant

TRADE NAME / SYNONYMS: not applicable

CHEMICAL NAME: not applicable

II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	% w/w	CAS #	LD50 / LC50	Route / Species
Ethyl alcohol	1-5	000064-17-5	LD50 7060 mg/kg	oral/rat
Quaternary ammonium chloride	10-30	007173-51-5	LD50 450 mg/kg	oral/rat
Tetrasodium edta	1-5	000064-02-8	LD50 3200 mg/kg	oral/rat
Linear alcohol ethoxylate	7-13	068439-46-3	LD50 1378 mg/kg	oral/rat

III - HANDLING AND DISPOSAL PROCEDURES

PERSONAL PROTECTIVE EQUIPMENT:

Gloves: Natural rubber, neoprene or nitrile

Eye: safety glasses

Footwear: Not required

Respiratory: If mists are generated, use NIOSH approved mask

Other: Not required

SPECIAL HANDLING PROCEDURES AND EQUIPMENT: Avoid eye and skin contact. Do not breathe mist or spray

VENTILATION REQUIREMENTS: General ventilation

INCOMPATIBILITY (Material to Avoid): Anionic 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

WASTE DISPOSAL: Dispose of 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: Clear green liquid; mild odour

S.G. / BULK DENSITY(g/cc): 1.01

pH: 7.0

VAPOUR PRESSURE (mmHg): not available

VAPOUR DENSITY (air=1): not available

ODOUR THRESHOLD: not available

BOILING POINT: approx 100°C

FREEZING POINT: not available

PERCENT VOLATILE: 65 %

SOLUBILITY IN WATER: soluble

EVAPORATION RATE (water=1): approx 1

V - TOXICOLOGICAL PROPERTIES

EFFECTS OF ACUTE EXPOSURE TO MATERIAL:

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

SKIN: Repeated or prolonged contact may result in irritation.

INGESTION: May cause severe irritation of the digestive tract.

INHALATION: Breathing spray or mist may cause respiratory irritation.	
LD50 (calculated): 2348 mg/kg	LC50 (calculated): not available
OTHER TOXIC EFFECTS: TLV-TWA (Ethyl Alcohol) 1880 mg/m3	
EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: None known	
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: 149°	AUTO IGNITION TEMPERATURE, °C: not applicable
EXTINGUISHING MEDIA: Water [] Dry Chemical [x] Carbon Dioxide [x] Foam [x] Other []	
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: Stable [x] Unstable []	
CONDITIONS TO AVOID: not applicable	
INCOMPATIBILITY (Material to Avoid) : Anionic materials	
HAZARDOUS DECOMPOSITION PRODUCTS: Contact with anionic materials causes inactivation.	
REACTIVITY: not dangerously reactive	
IX - MSDS PREPARATION	
SOURCES USED: RTECS, Raw Materials MSDS	PREPARED BY: JohnsonDiversey Canada, Inc. Regulatory Department Institutional Division Phone (905) 829-1200
PREPARATION DATE: April 15, 2003	
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