

I - PRODUCT IDENTIFICATION AND USE

MSDS ID: 0960

PRODUCT NAME: **FORMULA C**

USE: Sanitizer

SUPPLIER:

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

EMERGENCY PHONE:

1-800-668-7171

WHMIS CLASSIFICATION: exempt

CHEMICAL FAMILY: Cationic Surfactant

TRADE NAME / SYNONYMS: not applicable

CHEMICAL NAME: not applicable

II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	% w/w	CAS #	LD50 / LC50	Route / Species
Alkyl aryl dimethyl ammonium chlorides	7-13	not available	LD50 620 mg/kg	oral/rat
Ethanol	1-5	000064-17-5	LD50 7060 mg/kg	oral/rat

III - HANDLING AND DISPOSAL PROCEDURES

PERSONAL PROTECTIVE EQUIPMENT:

Gloves: Natural Rubber, Neoprene, Nitrile

Eye: safety glasses

Footwear: not required

Respiratory: If mists are generated, use NIOSH approved mask

Other: not applicable

SPECIAL HANDLING PROCEDURES AND EQUIPMENT: Do not breathe mist or spray.

VENTILATION REQUIREMENTS: general ventilation

INCOMPATIBILITY (Material to Avoid): Anionic materials and strong oxidizers.

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): 1.0

pH: 7.5

VAPOUR PRESSURE (mmHg): 17

VAPOUR DENSITY (air=1): 0.62

ODOUR THRESHOLD: not available

BOILING POINT: 100°C

FREEZING POINT: not available

PERCENT VOLATILE: 90%

SOLUBILITY IN WATER: soluble

EVAPORATION RATE (water=1): <1

V - TOXICOLOGICAL PROPERTIES

EFFECTS OF ACUTE EXPOSURE TO MATERIAL:

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

SKIN: Repeated or prolonged contact may result in irritation.

INGESTION: May cause severe irritation of the digestive tract. Ingestion of the concentrate may cause shock, nervous system depression, convulsions. May cause death.

INHALATION: May cause irritation of respiratory tract.

LD50 (calculated): 6133 mg/kg	LC50 (calculated): not available
OTHER TOXIC EFFECTS: TLV-TWA (ethanol): 1000 ppm (~ 1900 mg/m3)	
EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: not applicable	
VI - FIRST AID MEASURES	
EYES:	Flush eyes with plenty of water for at least 15 minutes. Hold eyelids open while rinsing. Contact a physician.
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: 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) : Anionic materials and strong oxidizers.	
HAZARDOUS DECOMPOSITION PRODUCTS: Anionic materials will inactivate the product. Contact with strong oxidizers may release heat.	
REACTIVITY: not dangerously reactive	
IX - MSDS PREPARATION	
SOURCES USED: RTECS, CTOCP, Supplier MSDS	PREPARED BY: JohnsonDiversey Canada, Inc. Regulatory Department Institutional Division Phone (905) 829-1200
PREPARATION DATE: April 15, 2003	
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