



I - PRODUCT IDENTIFICATION AND USE

MSDS ID: 1455

PRODUCT NAME: F-501

USE: Bacteriostatic Fabric Softener PCP # 18562

SUPPLIER:

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

EMERGENCY PHONE:

1-800-668-7171

WHMIS CLASSIFICATION: B3 D2B

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
Alkyldimethylbenzyl ammonium chloride	3-7	068391-01-5	LD50 2100 mg/kg	oral/rat
Alkyl dimethyl ethyl benzyl ammoni chloride	3-7	068956-79-6	not available	
Quaternium 27	3-7	977065-79-6	not available	
Isopropanol	1-5	000067-63-0	LD50 5045 mg/kg	oral/rat
Ethanol	0.5- 1.5	000064-17-5	LD50 7060 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: Do not expose to heat, sparks or open flame. Avoid eye and skin contact.

VENTILATION REQUIREMENTS: general ventilation

INCOMPATIBILITY (Material to Avoid): strong oxidizers and anionic surfactants

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. Do not freeze.

IV - PHYSICAL PROPERTIES

APPEARANCE / ODOUR: Light yellow liquid

S.G. / BULK DENSITY(g/cc): 0.99

pH: 4.0 ± 0.3

VAPOUR PRESSURE (mmHg): not applicable

VAPOUR DENSITY (air=1): not applicable

ODOUR THRESHOLD: not applicable

BOILING POINT: approx. 100°C

FREEZING POINT: not available

PERCENT VOLATILE: 87%

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: May cause severe irritation.

INGESTION: May cause gastro-intestinal irritation, nausea, vomiting and diarrhea.

INHALATION: Breathing mist or spray may cause respiratory irritation.

LD50 (calculated): not available

LC50 (calculated): not available

OTHER TOXIC EFFECTS: TLV-TWA (ethyl alcohol) 1000 ppm (1880 mg/m3); TLV-TWA (isopropanol) 400 ppm (520 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. Contact a physician immediately.

INHALATION: Remove patient to fresh air. Get medical attention for any breathing difficulty.

VII - FIRE AND EXPLOSION DATA

FLAMMABLE: Yes, ignited by spark or open flame.

FLASH POINT, °C: 48°C

AUTO IGNITION TEMPERATURE, °C: N/Ap.

EXTINGUISHING MEDIA: Water [x] Dry Chemical [x] Carbon Dioxide [x] Foam [x] Other []

SPECIAL FIRE FIGHTING PROCEDURES: not required

HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon, nitrogen.

EXPLOSIVE SENSITIVITY TO: not applicable

VIII - REACTIVITY DATA

STABILITY: Stable [x] Unstable []

CONDITIONS TO AVOID: heat, sparks, open flame

INCOMPATIBILITY (Material to Avoid) : strong oxidizers and anionic surfactants

HAZARDOUS DECOMPOSITION PRODUCTS: Heat released on contact with strong oxidizers.

REACTIVITY: not dangerously reactive

IX - MSDS PREPARATION

SOURCES USED: RTECS, MSDS

PREPARED BY: JohnsonDiversey Canada, Inc.
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