



I - PRODUCT IDENTIFICATION AND USE

MSDS ID: 4733

PRODUCT NAME: LIQUID BACTERIOSTATIC SOFTENER 5KL**USE:** Bacteriostatic Fabric Softener**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
Alkyl dimethylbenzyl 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 no 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. Regulatory Department Institutional Division Phone (905) 829-1200
PREPARATION DATE: April 15, 2003	
Information on this form is furnished in compliance with the Regulations respecting Controlled Products under the Hazardous Products Act and is not to be used for any other purpose, nor is it to be reproduced or published. JohnsonDiversey Canada assumes no responsibility for injury to any person or property resulting from any use of the material if reasonable safety procedures are not adhered to. In addition, JohnsonDiversey Canada assumes no responsibility for injury to any person or property resulting from any abnormal use or theft of the material, even if reasonable safety procedures are followed. Each user assumes the risk in his use of the material and should review the data and recommendations in the specific context of the intended use.	