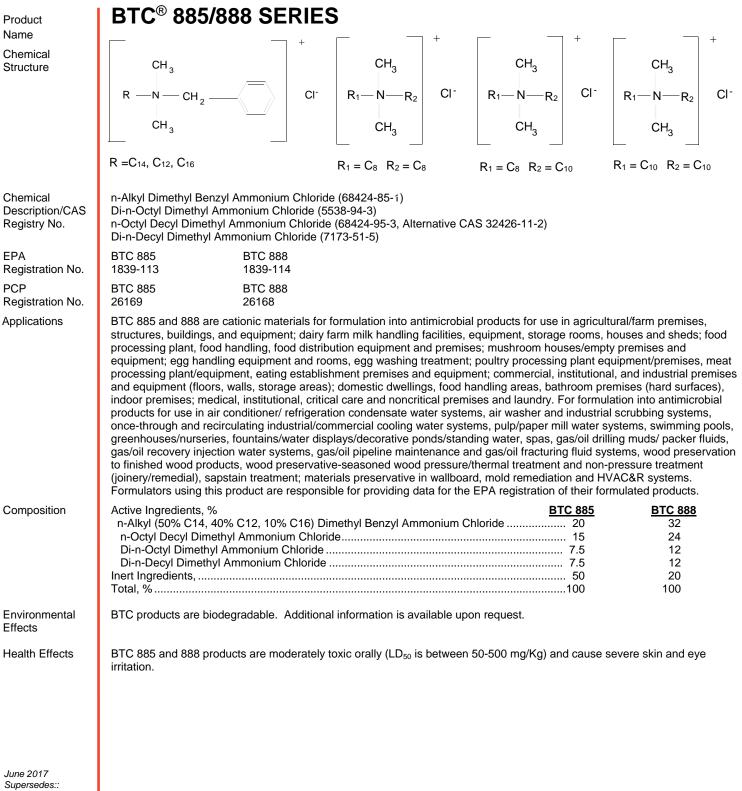
## Stepan.

## **Product Bulletin**



ANTIMICROBIALS

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Typical Properties				<u>BTC 888</u> Clear liquid 8.6
				2.1 max
	· · · · · · · · · · · · · · · · · · ·			250 max
				360
	27			-12 (10)
				38.8 (101.8)
				0.91 (7.6)
	RVOC, U.S. EPA, % Ethanol		11	10
Storage & Handling	Handle liquid BTC products with care; use away from sparks and open flame. Use in well ventilated area. Avoid contact with eyes, nose and skin contact. Gloves, protective clothing, safety goggles and face shield should be worn when handling BTC products. Wash thoroughly after handling material.			
	<u>Standard Packaging</u> : BTC 885 and 888 are available in 55 gallon drums {425 lb (193 kg) for BTC 885; 400 lb (182 kg) for BTC 888} and in bulk quantities.			
	It is recommended that BTC products be stored in sealed containers and kept in a cool, dry place. If material is frozen, it should be heated gently and stirred to ensure it is homogeneous before use.			
	Bulk Storage Information: BTC quaternaries can be stored in vessels of 316 stainless steel or fiberglass with a corrosion liner. Contact between quaternaries and anionic materials must be avoided. At use dilution, BTC quaternaries are non-corrosive to most plastics, natural rubber, stainless steel, monel metal, iron, brass, aluminum, lead and tin; however, BTC quaternaries as supplied, may be corrosive to the materials listed above.			
	Liquid BTC products should be stored between 85 - 120°F (29 - 49°C). An internal hairpin coil of 316 stainless steel with low pressure steam (under 50 psig) should be used if heating is required. Mild agitation is recommended while storing to maintain homogeneity. Pumps, pipes and transfer lines should be 316 stainless steel. Rubber hoses with Teflon cross-linked polyethylene with 316 S.S. fittings are recommended for loading and unloading.			
Workplace Exposure	Occupational exposure can occur primarily through skin contact or via inhalation of vapors and mists. Engineering controls, personal protective equipment, and other workplace practices should be used to control these exposures.			
Clearances	All components of BTC 885/888 quaternaries are on the following country inventories; CASRNs 68424-85-1, 32426-11-2, 5538-94-3, 7173-51-5; United States (TSCA), Europe (EINECS 270-325-2; 251-035-5, 226-901-0, 230-525-2), Japan (ENCS 3-2694, 2-184, 2-184, 2-184), Canada (DSL), Australia (AICS), Philippines (PICCS), China (IECSC), New Zealand (NZIoC) and Korea (ECL KE-29999, KE-26732, KE-11982, KE-10281). It is the responsibility of the end-user to review the chemical control regulations for each country.			
	BTC 885/888 quaternaries are cleared under EPA 40 CFR 180.940 for use in antimicrobial formulations (food-contact surface sanitizing solutions) on food processing equipment and utensils. Check regulations for end-use concentrations.			
Registration	The BTC 885/888 series is available as Kosher Certified. In the U.S., all products used on inanimate surfaces which are sold and claimed to be bacteriostatic, germicidal, algaecidal or to kill or inhibit organisms in any way are required to be registered with the U.S. Environmental Protection Agency.			
Product	Formulators are responsible for any additional data which may be required by local, state or country agencies. This product bulletin has been written in accordance with ACC's Product Stewardship guidelines.			
Stewardship				6
Additional Safety	A Safety Data Sheet is available up	on request.		Responsible Care
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