



MATERIAL SAFETY DATA SHEET (MSDS)

CSQ - 2000

Carpet Cleaner, Deodorizer and Sanitizer

Carpet Care



SECTION I ▶ PRODUCT IDENTIFICATION					
Product Name		Product Type		WHMIS Classification	
CSQ - 2000		Carpet cleaner, deodorizer and sanitizer		Not Applicable	
SECTION II ▶ HAZARDOUS INGREDIENTS					
Chemical Name		Cas Registry No.	%	Toxicity	
Alkyl Dimethyl Benzyl Ammonium Chloride		68424-85-1	<1	LD ₅₀ ORAL (RAT) 400 mg/kg	
Didecyl Dimethyl Ammonium Chloride		7173-51-5	1-3	Not Available	
Ethanol		64-17-5	0.1-1.0	TLV 1000 ppm	
Alcool d'ethoxylate		68131-39-5	3-5	LD ₅₀ ORAL (RAT) 2140 mg/kg	
SECTION III ▶ PHYSICAL DATA					
Appearance	Odour	pH	Boiling Point	Specific Gravity	Solubility in Water
Clear colourless liquid	Uncented	9.6	100 °C	1.0	100 %
SECTION IV ▶ FIRE AND EXPLOSION HAZARD DATA					
Flash Point (°C): None			Extinguishing media: Not Applicable		
Special fire fighting procedures: None					
Unusual fire and explosion hazards: None					
SECTION V ▶ TOXICOLOGICAL PROPERTIES					
HAZARD RATING: Health = 1 Flammability = 0 Reactivity = 0					Rating System 0 = Insignificant 1 = Slight 2 = Moderate 3 = High 4 = Extreme
Swallowing: Slightly Toxic.					
Inhalation: Not Applicable					
Skin Absorption: Not Applicable					
Skin Contact: Slight Irritant					
Eye Contact: Slight Irritant					
Special Warning: None					
SECTION VI ▶ FIRST AID MEASURES					
Ingestion: Drink 3-4 glasses of milk or water.					
Inhalation: Not Applicable					
Skin: Flush with water. If irritation persists, call a physician.					
Eyes: Flush with water. If irritation persists, call a physician.					
SECTION VII ▶ REACTIVITY DATA					
Stable: Yes					
Conditions to avoid: None					
Incompatibility with other materials: None					
Hazardous decomposition products: None					
Hazardous polymerization: Will not occur.					
SECTION VIII ▶ PREVENTIVE MEASURES					
Hand protection: Chemical resistant gloves					
Eye protection: Safety glasses with side shields					
Ventilation: General					
Respiratory protection: None					
Other protective equipment: None					
Steps to be taken in case material is released or spilled: Mop up spillage. Rinse spill area with water and allow to dry.					
Waste disposal method: Flush with water into waste systems in accordance with municipal, provincial and federal regulations.					
Precautions to be taken in handling and storage: Normal handling processes. Inside storage at 4-40 °C recommended.					
Other precautions: Follow label use instructions.					
UN: Not Applicable		TDG Class: None		Packing Group: Not Applicable	
TDG Emergency Telephone Number: 613-996-6666 (COLLECT)					
SECTION IX ▶ PREPERATION DATA					
Prepared by: D.R. Dunlop			Last updated: August 1, 2012		
Location: Dustbane Products Limited, 25 Pickering Place, Ottawa, Ontario, K1G 5P4 – 613-745-6861					

CSQ - 2000

Carpet Cleaner, Deodorizer and Sanitizer

"A superior performance product formulated to clean, deodorize and sanitize carpets."

FEATURES AND BENEFITS

"Twin Chain" quaternary ammonium compounds: Reduces the growth of gram negative and gram positive odour-forming bacteria.

Odour counteractants: Neutralizes unpleasant odours.

WHERE TO USE

Recommended to use on washable, synthetic fibres. Use on carpets in hospitals, nursing homes, clinics, dentist offices and other healthcare facilities.

HOW TO USE

Vacuum the carpet before cleaning with CSQ-2000. The colour fastness of carpets should be tested before using CSQ-2000. Apply diluted product to a small concealed spot, then rub with a white cloth. If colour transfers to the cloth or changes, a water-base product should not be used. Place aluminum foil under the legs of furniture while carpet is drying.

Water Extraction or Steam Cleaning Equipment: Dilution rate: 1:80

CAUTION: NOT FOR USE ON CARPETS MADE OF STAIN RESISTANT FIBRES.

SANITIZING PERFORMANCE / HARD WATER TOLERANCE

At a dilution of 1:80, CSQ-2000 gives 250 mg/L sanitizing activity. The non-food contact surface sanitizing activity of the active ingredient in CSQ-2000 was determined by the following test methodology: EPA DIS/TSS-10, February 6, 1979 and the Guidelines for Registering Pesticides in the United States, Subpart G – Product Performance, June 22, 1979 Draft, Recommended Method #8 (Sanitizers-Non-Food Contact Surfaces), pg. 101-102.

Test Organism	Concentration of the active ingredient in CSQ-2000 required for 99.999% Reduction	Hard Water Ceiling	Contact Time
Staphylococcus aureus (ATCC #6538)	150 mg/L 200 mg/L	800 mg/L 1100 mg/L	2 minutes 1 minute
Klebsiella pneumoniae (ATCC #4352)	150 mg/L 200 mg/L	800 mg/L 1100 mg/L	2 minutes 1 minute

Fungicidal Performance as Determined by the AOAC Fungicidal Test

Possessing superior fungicidal activity, the active ingredient in CSQ-2000 effectively passes the AOAC fungicidal test at a one-eighth the concentration required for conventional alkyl benzyl quaternaries.

Test Organism	Ten Minute Killing Dilution (100% active)
Trichophyton mentagrophytes	1:8000 (125 mg/L) (Data supplied by Lonza Inc., Fairlawn, N.J.)

SPECIFICATIONS

Type: Quaternary ammonium synthetic detergent

Appearance: Clear liquid

Fragrance: Unscented

Viscosity: as water

PH (conc.): 9.6

PH (1%): 9.3

Flash Point: None

Freeze-Thaw stability: Passes 3 cycles

Environment: Biodegradable surfactant; phosphate free

Guarantee: Alkyl dimethyl benzyl ammonium chloride 0.8
Didecyl dimethyl ammonium chloride 1.2