



# MATERIAL SAFETY DATA SHEET (MSDS)

## CSQ - 2000

**Carpet Cleaner, Deodorizer and Sanitizer**

**Carpet Care**



SECTION I ▶ PRODUCT IDENTIFICATION					
<b>Product Name</b>		<b>Product Type</b>		<b>WHMIS Classification</b>	
CSQ - 2000		Carpet cleaner, deodorizer and sanitizer		Not Applicable	
SECTION II ▶ HAZARDOUS INGREDIENTS					
<b>Chemical Name</b>		<b>Cas Registry No.</b>	<b>%</b>	<b>Toxicity</b>	
Alkyl Dimethyl Benzyl Ammonium Chloride		68424-85-1	<1	LD <sub>50</sub> 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 <sub>50</sub> ORAL (RAT) 2140 mg/kg	
SECTION III ▶ PHYSICAL DATA					
<b>Appearance</b>	<b>Odour</b>	<b>pH</b>	<b>Boiling Point</b>	<b>Specific Gravity</b>	<b>Solubility in Water</b>
Clear colourless liquid	Uncented	9.6	100 °C	1.0	100 %
SECTION IV ▶ FIRE AND EXPLOSION HAZARD DATA					
<b>Flash Point (°C):</b> None			<b>Extinguishing media:</b> Not Applicable		
<b>Special fire fighting procedures:</b> None					
<b>Unusual fire and explosion hazards:</b> None					
SECTION V ▶ TOXICOLOGICAL PROPERTIES					
<b>HAZARD RATING:</b> Health = 1 Flammability = 0 Reactivity = 0					<b>Rating System</b> 0 = Insignificant 1 = Slight 2 = Moderate 3 = High 4 = Extreme
<b>Swallowing:</b> Slightly Toxic.					
<b>Inhalation:</b> Not Applicable					
<b>Skin Absorption:</b> Not Applicable					
<b>Skin Contact:</b> Slight Irritant					
<b>Eye Contact:</b> Slight Irritant					
<b>Special Warning:</b> None					
SECTION VI ▶ FIRST AID MEASURES					
<b>Ingestion:</b> Drink 3-4 glasses of milk or water.					
<b>Inhalation:</b> Not Applicable					
<b>Skin:</b> Flush with water. If irritation persists, call a physician.					
<b>Eyes:</b> Flush with water. If irritation persists, call a physician.					
SECTION VII ▶ REACTIVITY DATA					
<b>Stable:</b> Yes					
<b>Conditions to avoid:</b> None					
<b>Incompatibility with other materials:</b> None					
<b>Hazardous decomposition products:</b> None					
<b>Hazardous polymerization:</b> Will not occur.					
SECTION VIII ▶ PREVENTIVE MEASURES					
<b>Hand protection:</b> Chemical resistant gloves					
<b>Eye protection:</b> Safety glasses with side shields					
<b>Ventilation:</b> General					
<b>Respiratory protection:</b> None					
<b>Other protective equipment:</b> None					
<b>Steps to be taken in case material is released or spilled:</b> Mop up spillage. Rinse spill area with water and allow to dry.					
<b>Waste disposal method:</b> Flush with water into waste systems in accordance with municipal, provincial and federal regulations.					
<b>Precautions to be taken in handling and storage:</b> Normal handling processes. Inside storage at 4-40 °C recommended.					
<b>Other precautions:</b> Follow label use instructions.					
<b>UN:</b> Not Applicable		<b>TDG Class:</b> None		<b>Packing Group:</b> Not Applicable	
<b>TDG Emergency Telephone Number:</b> 613-996-6666 (COLLECT)					
SECTION IX ▶ PREPERATION DATA					
<b>Prepared by:</b> D.R. Dunlop			<b>Last updated:</b> December 1 2009		
<b>Location:</b> 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