

## DIRECTIONS

**Q-Soap** is an effective antibacterial hand soap that reduces the bacterial flora on skin and has been authorized for use in federally inspected meat, poultry and processing plants.

## SPECIAL INFORMATION

**Q-Soap** is a Canadian Food Inspection Agency (CFIA) approved product for use in registered food processing plants. Surfaces in direct food contact must be rinsed with potable water.

**Q-Soap** is BC Kosher approved

## DIRECTIONS

*For one-step hand washing and sanitizing:*

1. Place approximately 5 mL (0.2 oz) of **Q-Soap** in palm of hand, add 15mL (0.5 oz.) of water, lather between fingers and wash in normal manner.
2. After washing, hands must be thoroughly rinsed with potable water.
3. Repeat whenever re-entering the processing areas.

This product must be dispensed from an adequate dispenser located at a sufficient distance from the processing line to prevent accidental production contamination.

## PHYSICAL DATA

Appearance	Thick liquid
Color	Clear, colorless
Foam	Quick lather
Odor	None
pH	6.0 - 7.5

# MATERIAL SAFETY DATA SHEET

## SECTION 1 – PRODUCT/MANUFACTURER'S IDENTITY

Product Name: **Q-SOAP**

WHMIS CODE: D2B  
 Proper Shipping Name: N/A  
 Hazard Class: N/A  
 UN Number: N/A

Product Use: *Sanitizing hand soap.*

HMIS	
2	Health
0	Flammability
0	Reactivity
A	Personal

M-chem Technologies Inc.  
 1607 Derwent Way  
 Delta, BC V3M 6K8, Canada  
 Phone: (604) 526-5655

**EMERGENCY PHONE**  
 Canada: Canutec 613-996-6666  
 U.S.A.: Chemtrec 800-424-9300

A=Goggles, B=Goggles & Gloves  
 C=Goggles, Gloves and Apron

ABBREVIATION KEY: N/A=Not Applicable, N/E=Not Established, N/D=Not Determined, > =Greater Than

## SECTION 2 – HAZARDOUS INGREDIENTS INFORMATION

INGREDIENT	CAS NO.	RANGE %	PEL	TLV
<b>Alkyl Dimethyl Benzyl Ammonium Chloride</b>	68391-01-5	1.0 - 5.0	N/D	N/D
LD50 (oral rat)	N/D			
LD50 (dermal)	N/D			
LC50	N/D			
<b>Alkyl Dimethyl Ethylbenzyl Ammonium Chloride</b>	68956-79-6	1.0 - 5.0	N/D	N/D
LD50 (oral rat)	N/D			
LD50 (dermal Rabbit)	N/D			
LD50	N/D			
<b>ALCOHOL ETHOXYLATE</b>	68439-46-3	1.0-5.0	N/A	N/A
LD50 (oral rat)	1376 mg/kg			
LD50 (dermal rabbit)	>2 g/kg			

## SECTION 3 – PHYSICAL DATA

<b>Color and Odor:</b> Clear to slightly hazy, mild odor.	<b>Boiling Point:</b> N/D	<b>Vapor Pressure (mm HG):</b> N/D	<b>pH:</b> 7.0 +/- 0.5
<b>Physical State:</b> Liquid.	<b>Melting Point:</b> N/A	<b>Vapor Density:</b> N/D	<b>Specific Gravity:</b> 1.005 @ 20°C
<b>Coeff. Water/Oil Dist:</b> Greater than 1.0	<b>Evaporation Rate:</b> N/D	<b>Solubility in Water:</b> Soluble	<b>Odor Threshold:</b> No Data

## SECTION 4 – FIRE AND EXPLOSION HAZARD DATA

**Flash Point and Method:** None to 100°C (TCC)      **Sensitivity to Mechanical Impact:** None.      **Extinguishing Media:** Not flammable.  
**Flammable Limits:** None known.      **Sensitivity to Static Discharge:** None.      **Auto ignition Temperature:** None known.  
**Conditions of Flammability:** None.  
**Unusual Fire and Explosion Hazards:** None known.  
**Hazardous Combustion Products:** Oxides of carbon, phosphorus and nitrogen, toxic hydrogen chloride and ammonia vapors, and other irritating organic vapors.  
**Special Fire Fighting:** Wear full protective equipment, including a NIOSH/MSHA approved, self-contained breathing apparatus for fire fighting situations. Use water spray to cool all nearby fire exposed surfaces.

## SECTION 5 – REACTIVITY DATA

**Chemical Stability:** Stable under normal storage conditions.  
**Hazardous Polymerization:** Will not Occur.  
**Incompatibility (material to avoid):** Strong oxidizing and reducing agents, acids.  
**Hazardous Decomposition Products:** May liberate carbon, phosphorus & nitrogen oxides, ammonia & other irritating vapors.

## SECTION 6 – TOXICOLOGICAL DATA

<b>Exposure Limits:</b> See Section 2 under Hazardous Ingredient.	<b>Routes of Entry:</b> Skin and eyes.
<b>Irritancy of Product:</b> Irritating to eyes.	<b>Carcinogenicity:</b> None known.
<b>Sensitization:</b> None known.	<b>Mutagenicity:</b> None known.
<b>Name of Toxicological Synergistic Product:</b> None known.	<b>Reproductive Toxicity:</b> None known.
<b>Teratogenicity:</b> None known.	
<b>Effects of Chronic Exposure:</b> None known.	
<b>Effects of Acute Exposure to Product:</b> Product exposure may irritate or burn skin and eyes. Inhaling vapors or mists may irritate mucous membranes. Prolonged inhalation exposure may cause headaches, nausea, etc. Ingestion may cause gastrointestinal and abdominal discomfort.	

## SECTION 7 – PREVENTATIVE AND CONTROL MEASURES

**Respiratory Protection:** Normally not required.  
**Ventilation:** Use with normal ventilation.  
**Protective Gloves:** Not required for normal use of product. Wear natural or butyl rubber, nitrile or neoprene gloves for spill clean up.  
**Eye Protection:** Normally not required. However, wearing of safety goggles or glasses are recommended if there is a risk of product splashing into eyes during usage.  
**Protective Clothing and Equipment:** Eyes wash recommended in the immediate work area.  
**Storage and Handling Procedures:** Use good industrial hygiene. Do not get in eyes. Avoid contact with skin and clothing. Avoid breathing sprays or mists. Store in a cool, dry place away from incompatibles. Keep container closed when not in use. Do not mix with any other chemicals. Store at temperatures below 30°C (86°F) and keep from freezing.  
**Disposal Procedures for Spills or Leaks:** Wear protective equipment. Dike and contain large spills. Pump spills into an approved waste container. For small spills, soak up with a suitable absorbent such as clay, soil or commercially available absorbents, and then dispose of into an approved waste container. Keep away from sewers and out of natural waters.  
**Waste Disposal Method:** Reuse if possible, or otherwise dispose recovered material in accordance with all local, Provincial or Federal Regulations.  
**Special Shipping Information:** Store at temperatures below 30°C (86°F) and keep from freezing.

## SECTION 8 – EMERGENCY FIRST AID PROCEDURES

**First Aid:**  
 If swallowed, give plenty of clean water to drink to dilute product. Do not induce vomiting. Call a Physician. In case of contact with eyes, flush with clean water for 15 minutes. Get medical attention. For contact with skin, wash with clean water and rinse well. If irritation occurs or persists, get medical attention.

## PREPARATION DATA

PREPARED BY: Technical Service / Regulatory Division      PHONE: 604-526-5655      LAST UPDATE: 07/04/11  
 THE INFORMATION PROVIDED IN THIS MATERIAL SAFETY DATA SHEET HAS BEEN OBTAINED FROM CURRENT SOURCES AND IS BELIEVED TO BE RELIABLE