

# MATERIAL SAFETY DATA SHEET

## SECTION I - PRODUCT IDENTIFICATION

**Product Name:** General Storage Disinfectant  
**Product Use:** Disinfectant  
**WHMIS Class:** Exempt - Registered product - (PCP 14957)  
**TDG Classification:** Disinfectants, liquid, corrosive n.o.s. (Alkyl benzyl dimethyl ammonium chloride); Class 8; UN1903; PGIII  
**Manufacturer/Supplier:** Ag-Services Inc.  
RR 1  
Mitchell, ON N0K 1N0 CA  
Phone (519) 229-6669  
Emergency Phone: 1-613-996-6666 (CANUTEC)

LEGEND HMIS/NFPA		Health	Flammability	Physical Hazard	Personal Protection
Severe	4	/ 3	0	0	B
Serious	3				
Moderate	2				
Slight	1				
Minimal	0				



## SECTION II - HAZARDOUS INGREDIENTS

<u>Ingredient(s)</u>	<u>CAS #</u>	<u>Wt%</u>	<u>ACGIH-TLV</u>	<u>LC50</u>	<u>Oral LD50</u>
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	68424-85-1	7 - 13	Not established	Not available	426 mg/kg rat

## SECTION III - PHYSICAL DATA

<b>Boiling Point:</b>	100 °C (212.00 °F)	<b>Specific Gravity:</b>	0.98 @ 21°C
<b>Freezing Point:</b>	Not available	<b>Coefficient of Water/Oil Distribution:</b>	Not available
<b>Vapour Pressure:</b>	Not available	<b>% Volatile:</b>	90
<b>Vapour Density:</b>	Not available	<b>Evaporation Rate:</b>	Not available
<b>Solubility in Water:</b>	Appreciable	<b>pH:</b>	7.5
<b>Physical State:</b>	Liquid	<b>Viscosity:</b>	Water thin
<b>Appearance:</b>	Blue.	<b>Odour Threshold:</b>	Not available
<b>Odour:</b>	Mild		

## SECTION IV - FIRE AND EXPLOSION DATA

<b>Flammability:</b>	Not flammable by WHMIS criteria.		
<b>Flash Point:</b>	None	<b>LEL:</b> Not available	<b>UEL:</b> Not available
<b>Hazardous Combustion Products:</b>	May include and are not limited to: Oxides of carbon. Hydrogen chloride. Oxides of nitrogen.		
<b>Autoignition Temperature:</b>	Not available		
<b>Explosion Data:</b>			
<b>Sensitivity to Mechanical Impact:</b>	Not available		
<b>Sensitivity to Static Discharge:</b>	Not available		
<b>Means of Extinction:</b>	Dry chemical. Water spray. Alcohol foam. Carbon dioxide.		
<b>Special Fire Hazards:</b>	Firefighters should wear a self-contained breathing apparatus.		

## SECTION V - REACTIVITY DATA

<b>Conditions for Chemical Instability:</b>	Stable under recommended storage conditions.
<b>Incompatible Materials:</b>	Oxidizers. Acids. Caustics. Reducing agents.
<b>Reactivity, and Under What Conditions:</b>	Do not mix with other chemicals.
<b>Hazardous Decomposition Products:</b>	May include and are not limited to: Oxides of carbon. Hydrogen chloride. Oxides of nitrogen.

## SECTION VI - TOXICOLOGICAL PROPERTIES

<b>Route of Entry:</b>	Eye, Skin contact, Inhalation, Ingestion.
<b>EFFECTS OF ACUTE EXPOSURE:</b>	
<b>Eye:</b>	Causes chemical burns. May cause blindness.
<b>Skin:</b>	Causes chemical burns.

**Inhalation:** Harmful if inhaled. May cause respiratory tract irritation.

**Ingestion:** Harmful if swallowed. May cause chemical burns to mouth, throat and stomach.

**EFFECTS OF CHRONIC EXPOSURE:**

**Skin:** Prolonged or repeated exposure to dilutions can cause drying, defatting and dermatitis.  
**Irritancy:** Causes chemical burns.  
**Respiratory Tract Sensitization:** Non-hazardous by WHMIS criteria.  
**Carcinogenicity:** Non-hazardous by WHMIS criteria.  
**Teratogenicity:** Non-hazardous by WHMIS criteria.  
**Mutagenicity:** Non-hazardous by WHMIS criteria.  
**Reproductive Effects:** Non-hazardous by WHMIS criteria.  
**Name of Toxicologically Synergistic Products:** Not available

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**SECTION VII - PREVENTATIVE MEASURES**

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**Gloves:** Rubber gloves. Confirm with a reputable supplier first.  
**Eye Protection:** Wear chemical goggles.  
**Respiratory Protection:** Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.  
**Other Protective Equipment:** As required by employer code.  
**Engineering Controls:** General ventilation normally adequate.  
**Leak and Spill Procedure:** Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.  
**Waste Disposal:** Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank. Follow provincial instruction for any required additional cleaning of the container prior to its disposal. Make the empty container unsuitable for further use. Dispose of the container in accordance with provincial requirements. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.  
**Handling Requirements:** Use good industrial hygiene practices in handling this material. Do not get this material in your eyes, on your skin, or on your clothing.  
**Storage Requirements:** Keep out of the reach of children. Store in a closed container away from incompatible materials.

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**SECTION VIII - FIRST AID**

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**Eye:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.  
**Skin:** If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.  
**Inhalation:** If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.  
**Ingestion:** If swallowed, call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

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**SECTION IX - PREPARATION INFORMATION**

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**Effective Date:** 15-Apr-2011

**Expiry Date:** 15-Apr-2014

**Prepared By:** Dell Tech Laboratories Ltd. (519) 858-5021

For an updated MSDS, please contact the supplier/manufacturer listed on the first page of the document. Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.