

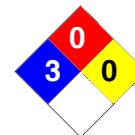
MATERIAL SAFETY DATA SHEET

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 | |
|---------------------|---|
| Severe | 4 |
| Serious | 3 |
| Moderate | 2 |
| Slight | 1 |
| Minimal | 0 |

| | | |
|---------------------|---|---|
| Health | / | 3 |
| Flammability | | 0 |
| Physical Hazard | | 0 |
| Personal Protection | | B |



SECTION II - HAZARDOUS INGREDIENTS

| <u>In</u> redient(s) | <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

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

SECTION IV - FIRE AND EXPLOSION DATA

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

SECTION V - REACTIVITY DATA

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

SECTION VI - TOXICOLOGICAL PROPERTIES

Route of Entry: Eye, Skin contact, Inhalation, Ingestion.

EFFECTS OF ACUTE EXPOSURE:

Eye: Causes chemical burns. May cause blindness.
Skin: 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: Mutagenic effects were observed in somatic and reproductive cells of live animals (rats and mice) exposed to high oral doses of ethanol.
Reproductive Effects: Non-hazardous by WHMIS criteria.
Synergistic Materials: Not available

SECTION VII - PREVENTATIVE MEASURES

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: Dispose in accordance with all applicable regulations.
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.

SECTION VIII - FIRST AID

Eye: Immediately flush with cool water. Remove contact lenses, if applicable, and continue flushing for 15 minutes. Obtain medical attention immediately.
Skin: Immediately flush with water. Wash with soap and water. Obtain medical attention if irritation persists.
Inhalation: If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.
Ingestion: Do not induce vomiting. Rinse mouth with water, then drink one or two glasses of water. Obtain medical attention. Never give anything by mouth if victim is unconscious, or is convulsing.

SECTION IX - PREPARATION INFORMATION

Effective Date: 15-Apr-2008

Expiry Date: 15-Apr-2011

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

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