



# MATERIAL SAFETY DATA SHEET (MSDS)

## Germicidal Cleaner

*Aerosol Germicidal Cleaner*

*Specialty Cleaners*



SECTION I ▶ PRODUCT IDENTIFICATION						
<b>Product Name</b>		<b>Product Type</b>			<b>WHMIS Classification</b>	
Germicidal Cleaner		Aerosol Germicidal Cleaner			Exempt	
SECTION II ▶ HAZARDOUS INGREDIENTS						
<b>Chemical Name</b>		<b>Cas Registry No.</b>	<b>%</b>	<b>Toxicity</b>		
Ethylene Glycol Monobutyl Ether		111-76-2	1-5	LD50 ORAL (RAT) 530-2616 mg/kg		
Diethylene Glycol Monoethyl Ether		111-90-0	1-5	LD50 ORAL (RAT) 6500 mg/kg		
Tetrasodium Ethylenediamine Tetraacetate		64-02-8	1-5	>4100 mg/kg		
Isobutane		75-28-5	1-5	Not Applicable		
Propane		74-98-6	0.1-1.0	LD50 DERMAL (RABBITS)>5000 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>
Hazy pale yellow	Fragrant	11-11.5	100 °C	0.96-1.00 (aerosol), 1.00-1.04 (liquid)		100 %
SECTION IV ▶ FIRE AND EXPLOSION HAZARD DATA						
<b>Flash Point (°C):</b> 60		<b>Extinguishing media:</b> Water, carbon dioxide, dry chemical, foam.				
<b>Special fire fighting procedures:</b> Water from fogging nozzles may be used to cool closed containers to prevent build-up if exposed to extreme temperatures. Full protective equipment including self-contained breathing apparatus should be worn in a fire involving this material.						
<b>Unusual fire and explosion hazards:</b> Contents under pressure. Exposure to temperatures above 50°C may cause the container to explode.						
SECTION V ▶ TOXICOLOGICAL PROPERTIES						
<b>HAZARD RATING:</b> Health = 2 Flammability = 1 Reactivity = 0						<b>Rating System</b> 0 = Insignificant 1 = Slight 2 = Moderate 3 = High 4 = Extreme
<b>Swallowing:</b> May cause red blood cell hemolysis and possible liver and kidney damage. May cause headache, nausea, vomiting and weakness.						
<b>Inhalation:</b> Irritating to respiratory tract. Propellant is a simple asphyxiant.						
<b>Skin Absorption:</b> Frequent or high spread contact may be harmful. Symptoms similar to ingestion.						
<b>Skin Contact:</b> May cause irritation						
<b>Eye Contact:</b> Moderate irritant and possible corneal injury.						
<b>Special Warning:</b> None						
SECTION VI ▶ FIRST AID MEASURES						
<b>Ingestion:</b> Do not induce vomiting. Call a physician immediately or poison control centre and have ingredients names available.						
<b>Inhalation:</b> Remove to fresh air. Apply artificial respiration if necessary. Call a physician immediately.						
<b>Skin:</b> Flush with plenty of water for at least 15 minutes.						
<b>Eyes:</b> Flush thoroughly with water for at least 15 minutes. Call a physician immediately.						
SECTION VII ▶ REACTIVITY DATA						
<b>Stable:</b> Yes						
<b>Conditions to avoid:</b> Temperatures above 50°C, excessive heat, sparks and open flames.						
<b>Incompatibility with other materials:</b> Strong oxidizing agents.						
<b>Hazardous decomposition products:</b> Hydrocarbon fumes and smoke. Carbon monoxide where combustion is incomplete.						
<b>Hazardous polymerization:</b> Will not occur.						
SECTION VIII ▶ PREVENTIVE MEASURES						
<b>Hand protection:</b> Chemical resistant gloves.						
<b>Eye protection:</b> Safety glasses.						
<b>Ventilation:</b> General						
<b>Respiratory protection:</b> If used indoors on a continuous basis, use of a cartridge type respirator is recommended.						
<b>Other protective equipment:</b> None						
<b>Steps to be taken in case material is released or spilled:</b> Remove all sources of ignition. Use an inert absorbent material and remove non-sparking tools. Ventilate area. Prevent from entering a watercourse.						
<b>Waste disposal method:</b> Do not puncture or incinerate even if empty. Dispose in accordance with municipal, provincial and federal regulations.						
<b>Precautions to be taken in handling and storage:</b> Keep away from heat, sparks and open flames. Store in a cool, well ventilated area below 50°C.						
<b>Other precautions:</b> Follow label use instructions.						
<b>UN:</b> 1950		<b>TDG Class:</b> 2.2 (Ltd. Qty.)		<b>Packing Group:</b> Not Applicable		
<b>TDG Emergency Telephone Number:</b> 613-996-6666 (COLLECT)						
SECTION IX ▶ PREPERATION DATA						
<b>Prepared by:</b> M. Mikoluk				<b>Last updated:</b> June 1, 2015		
<b>Location:</b> Dustbane Products Limited, 25 Pickering Place, Ottawa, Ontario, K1G 5P4 – 613-745-6861						

# Germicidal Cleaner

## *Aerosol Germicidal Cleaner*

“Ready-to-use germicidal disinfectant. Its foaming formula clings to surfaces and provides longer contact time on vertical surfaces to kill a wide range of of bacterial, fungi and viruses. Safe, non-abrasive, it will not damage porcelain and ceramic.”

### FEATURES AND BENEFITS

**Convenient packaging:** Fast, effective and easy to use.

**Does not contain C.F.C.:** Will not harm the ozone layer.

**Quat formula:** Ensures broad range of germicidal efficacy; kills Staphylococcus aureus, Salmonella cholera suis, Pseudomonas aeruginosa, Escherichia coli, Trichophyton interdigitale and Mycobacterium tuberculosis.

**Bactericidal:** Kills gram positive and gram negative bacteria.

**Virucidal:** Destroys common viruses.

**Fungicidal:** Eliminates athlete's foot fungus.

**Mildewcidal:** Destroys odour causing mold and mildew.

**Pleasant fragrance:** Leaves disinfected area smelling clean and fresh.

**DIN 02004313:** Registered with Health Canada.

### WHERE TO USE

**Use as a disinfectant in:**

HOSPITALS – On inanimate hard surfaces such as dressing carts, hampers, linen carts, wheel chairs, metal springs, toilet seats, telephones, light switches, wash basins, urinals, door knobs, air ducts and other similar germ laden hard surfaces.

FOOD PLANTS – On inanimate objects in those areas where food is manufactured, prepared or stored.

### HOW TO USE

Shake well before use. Heavily soiled surfaces must be cleaned prior to disinfection. When used in food processing establishments, be sure to cover or put away any food that could come in contact with the product. Hold spray about 20-30 cm from surface and spray until it is covered by a ne mist. Wipe after a few seconds with a clean cloth or sponge. For disinfection in hospitals and food plants, allow to remain wet for 10 minutes, then remove excess liquid.

### SPECIFICATIONS

**Appearance:** Aerosol

**Fragrance:** Fragrant

**WHMIS:** Exempt

**TDG:** Yes