



MATERIAL SAFETY DATA SHEET (MSDS)

Sani-Kleen 77

Germicidal detergent

Germicides



SECTION I ► PRODUCT IDENTIFICATION					
Product Name		Product Type		WHMIS Classification	
Sani-Kleen 77		Germicidal Detergent		Exempt	
SECTION II ► HAZARDOUS INGREDIENTS					
Chemical Name	Cas Registry No.	%	Toxicity		
O-Benzyl-p-Chlorophenol	000120-32-1	1-5	LD50ORAL (RAT) 5000 mg/kg		
Trisodium Phosphate	10101-89-0	1-5	LD50ORAL (RAT) 7400 mg/kg		
Isopropyl Alcohol	67-63-0	1-5	LD50ORAL (RAT) 4720 mg/kg		
SECTION III ► PHYSICAL DATA					
Appearance	Odour	pH	Boiling Point	Specific Gravity	Solubility in Water
Tan coloured opaque liquid	Phenolic	10.0	100 °C	1.0	100 %
SECTION IV ► FIRE AND EXPLOSION HAZARD DATA					
Flash Point (°C): None			Extinguishing media: Not Applicable		
Special fire fighting procedures: None					
Unusual fire and explosion hazards: None					
SECTION V ► TOXICOLOGICAL PROPERTIES					
HAZARD RATING: Health = 1 Flammability = 0 Reactivity = 0					Rating System 0 = Insignificant 1 = Slight 2 = Moderate 3 = High 4 = Extreme
Swallowing: Slightly Toxic					
Inhalation: Slight Irritant					
Skin Absorption: Unknown					
Skin Contact: Slight to moderate irritant					
Eye Contact: Irritant					
Special Warning: None					
SECTION VI ► FIRST AID MEASURES					
Ingestion: Promptly drink large quantities of milk, egg whites, gelatin or water. Avoid alcohol. Call a physician immediately.					
Inhalation: Remove to fresh air. Call a physician.					
Skin: Flush thoroughly with water for at least 15 minutes. Remove and wash contaminated clothing. Call a physician.					
Eyes: Flush thoroughly with water for at least 15 minutes. Call a physician.					
SECTION VII ► REACTIVITY DATA					
Stable: Yes					
Conditions to avoid: None					
Incompatibility with other materials: None					
Hazardous decomposition products: None					
Hazardous polymerization: Will not occur.					
SECTION VIII ► PREVENTIVE MEASURES					
Hand protection: Yes (for concentrate)					
Eye protection: Yes (for concentrate)					
Ventilation: General					
Respiratory protection: None					
Other protective equipment: In case of spills, wear chemical resistant apron and boots.					
Steps to be taken in case material is released or spilled: Mop up spillage. Rinse spill area with water and allow to dry.					
Waste disposal method: Flush with water into waste systems in accordance with municipal, provincial and federal regulations.					
Precautions to be taken in handling and storage: Normal handling processes. Inside storage at 4-40 °C recommended.					
Other precautions: Follow label use instructions.					
UN: Not Applicable		TDG Class: None		Packing Group: Not Applicable	
TDG Emergency Telephone Number: 613-996-666 (COLLECT)					
SECTION IX ► PREPERATION DATA					
Prepared by: D.R. Dunlop			Last updated: November 1, 2009		
Location: Dustbane Products Limited, 25 Pickering Place, Ottawa, Ontario, K1G 5P4 – 613-745-6861					

Sani-Kleen 77

Germicidal Detergent

"SANI-KLEEN 77 is a broad spectrum, phenolic cleaner and disinfectant."

WHERE TO USE

recommended for use in all areas of hospitals and food processing establishments where bacterial contamination is found.

SANI-KLEEN 77 may be safely used for all hard surface cleaning and disinfecting including:

Hospitals: walls, garbage pails, urinals, surgical instruments, kitchen areas, dollies, floors, sinks, showers, wash basins, furniture, gurneys, painted woodwork, toilets, fixtures, lab equipment, telephones, wheel chairs.

Food processing establishments/areas (such as kitchens, restaurants, grocery stores, butchers, meat packers and other food processors): food preparation areas, cutting tables, stoves, garbage pails, shelves, washroom, floors, hoods, meat hooks, tables, ranges, walls, stainless steel, utensils, chairs, refrigerators.

Surfaces subject to direct food contact should be adequately rinsed with potable water.

HOW TO USE

1. Before washing hard surfaces remove loose dirt particles with a dust mop or vacuum cleaner. 2. For daily damp mopping dilute 6 mL of SANI-KLEEN 77 per litre of potable water (1:160). 3. For general cleaning and disinfection dilute 13 mL of SANI-KLEEN 77 per litre of potable water (1:80). Wet surfaces sufficiently to allow a minimum of 10 minutes contact time.

GUARANTEE

SANI-KLEEN 77 is an effective germicide against both gram negative and gram positive micro-organisms. Efficacy has been confirmed against the following representative micro-organisms using the "A.O.A.C. Use Dilution Confirmation Test". Testing of SANI-KLEEN 77 at the recommended use dilution of 1:80 (13 mL per litre of water) was carried out as specified in the 14th edition of the Official Methods of Analysis, Sections 4:0007 - 4:011, 1984 (A.O.A.C. Method) and was used to kill:

Staphylococcus aureus

ATCC # 6538

Salmonella choleraesuis

ATCC # 10708

The manufacturer of O-benzyl p-chlorophenol has provided additional data to support efficacy against other micro-organisms listed below:

Test Species	M.I.C. Value (ppm)	Test Species	M.I.C. Value (ppm)
Bacteria		Moulds	
Staphylococcus epidermidis	50	Mucor racemosus	50
Streptococcus pyogenes		Aspergillus niger	250
Klebsiella pneumonia	2500	Aspergillus glaucus	100
Enterobacter cloacae	250	Penicillium expansum	100
Proteus vulgaris	10	Penicillium notatum	25
Serratia marcescens	4000	Stachybotrys atra	25
Salmonella enteritidis	100		
Escherichia coli Salmonella typhi	250	Virus	Dilution destructive
Yeasts		Herpes simplex	1:6400
Candida albicans	50	Vaccinia	1:6400
Saccharomyces cerevisiae	100	Grippe asiatique	1:6400
Saccharomyces rouxii	50	Adeno Type 2	1:6400

PRECAUTION

Keep out of reach of children. Avoid contact with skin, eyes and mucous membranes. Harmful if swallowed. Avoid contamination of food.

FIRST AID

Contains Ortho-benzyl-para-chlorophenol. If splashed in eyes or on skin, rinse 10-15 minutes with water. If irritation persists, call a physician. If swallowed, drink 3-4 glasses of milk, raw egg white, gelatin solution, or, if these are not available, drink large quantities of water. Do not induce vomiting. Call a physician immediately.

SPECIFICATIONS

Appearance: Opaque, light amber liquid

TDG classification: 8

Fragrance : Mild phenolic

D.I.N. Registration : 677132

pH (conc.) : 10.0

Total Actives : 12.2%

pH (1:80) : 9.0

Viscosity : 100 cps (min)

Active Ingredient : O-benzyl p-chlorophénol 2.25%

Rinsability : Excellent

W.H.M.I.S. Classification : Exempt