

MEDLINE

HC # 24
p.1

Material Safety Data Sheet

May be used to comply with
OSHA'S Hazard Communication Standard,
29 CFR 1910.1200. Standard must be
consulted for specific requirements.

U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY (As Used on Label and List)

MicroKlenz

Note: Blank spaces are not permitted. If any item is not applicable, or no
information is available, the space must be marked to indicate that.

Section I

Manufacturer's Name

Medline Industries, Inc.

Emergency Telephone Number

1-800-MEDLINE

Address (Number, Street, City, State, and ZIP Code)

One Medline Place

Telephone Number for Information

1-800-MEDLINE

Date Prepared

January 18, 2002

Signature of Preparer (optional)

Mundelein, IL 60060

Section II -- Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
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Active Ingredient: Benzethonium Chloride (CAS# 121-54-0)

LD50: Approximately 420 mg/kg (Rat)

I-338758 C-CRP 108008

Quantity/container: Approximately 200 mg

LD50 in man: Approximately 4.2 g/70 kg (Body wt.)

SAFETY FACTOR: Approximately 21

Section III -- Physical/Chemical Characteristics

Boiling Point	212° F	Specific Gravity (H ₂ O = 1)	1.00
Vapor Pressure (mm Hg.)	25 mm Hg	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A

Solubility in Water

Complete

Appearance and Odor

Clear liquid / slight soapy odor

Section IV -- Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
N/A	N/A	N/A	N/A
Extinguishing Media			
Water, CO ₂ , Foam, Dry Chemical			
Special Fire Fighting Procedures			
None Required			

Unusual Fire and Explosion Hazards

None

Section V — Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	Inhaling spray, spraying in eyes

Incompatibility (Materials to Avoid)

Soaps/detergents deactivate: no hazard results

Hazardous Decomposition or Byproducts

Carbon monoxide, nitrogen oxides, hydrogen chloride (if heated)

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	None

Section VI — Health Hazard Data

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	Yes	No	Yes

Health Hazards (Acute and Chronic)

May cause cronic irritation to skin and irritation to eyes. Inhalation may be irritating to mucous membranes. If ingested in large quantities may cause vomiting, collapse, convulsions and/or coma.

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
No	No	No	No

Signs and Symptoms of Exposure

Components 5% aqueous solution; dominant component is a sugar (Mannitol)

no symptoms other than those above

Medical Conditions

Generally Aggravated by Exposure None

Emergency and First Aid Procedures

Flush with water

Section VII — Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled

No special requirements

Waste Disposal Method

Dispose in accordance with Federal and State laws. Sample is not hazardous waste.

Precautions to be Taken in Handling and Storing

None

Other Precautions

None

Section VIII — Control Measures

Respiratory Protection (Specify Type)

None

Ventilation	Local Exhaust	Special
	Mechanical (General)	Other
	None	None

Protective Gloves

None required

Eye Protection

Only for large spray releases

Other Protective Clothing or Equipment

None required

Work/Hygiene Practices

Safe manufacturing/laboratory procedures