

MATERIAL SAFETY DATA SHEET

This form may be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. To be valid, all information required by §1910.1200 (g) of the Standard must appear on this form. Consult the Standard for specific requirements. 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.

IDENTITY (As Used on Label and List)

Glutarax Disinfecting and Sterilizing Solution

Hazard Class: A, D

Section I

Manufacturer's Name 3M	Emergency Telephone Number
Address (Number, Street, City, State, and ZIP Code) 3M Center	Telephone Number for Information 612-733-1110
St. Paul, MN 55144-1000	Date Prepared April 27, 1989
	Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
25% Glutaraldehyde	0.2ppm	0.2ppmC		8.4
Potassium Nitrite				1.0
Deionized Water				89.3
Other Ingredients				1.2

Section III — Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H ₂ O = 1)	not determined
Vapor Pressure (mm Hg.)	N/A	Melting Point	
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility in Water soluble			
Appearance and Odor clear green liquid, aldehyde odor			

Section IV — Fire and Explosion Hazard Data Rating: 0

Flash Point (Method Used) N/A	Flammable Limits N/A	LEL	UEL
Extinguishing Media water			
Special Fire Fighting Procedures none			
Unusual Fire and Explosion Hazards none			

Section V — Reactivity Data Rating: 0

Stability	Unstable		Conditions to Avoid
	Stable	x	caution should be used to avoid the immersion of and contact between dissimilar metals

Incompatibility (Materials to Avoid) will not prevent or remove oxidation caused by poor or improper plating, cleaning, or care of instruments

Hazardous Decomposition or Byproducts

none

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	x	

Section VI — Health Hazard Data Rating: 3

Route(s) of Entry: Inhalation? yes Skin? yes Ingestion? yes

TARGET ORGANS: eyes, skin, respiratory system; digestive system

Health Hazards (Acute and Chronic)

vapor overexposure may cause severe respiratory system irritation and temporary light headedness; harmful if swallowed, may cause severe digestive system irrit.; chronic overexposure in animals has shown behavior changes and liver damage

Carcinogenicity: NTP? IARC Monographs? OSHA Regulated?

Signs and Symptoms of Exposure eye irrit., tearing, pain, swelling, discharge, corneal opacity, & iris damage; glutaraldehyde may cause allergic skin reaction; skin reddening, irrit., dizziness, drying, & headaches; glutaraldehyde may cause asthma-like resp. system reactions; mouth & stomach irrit., nausea, vomiting, diarrhea, cyanosis

Medical Conditions

Generally Aggravated by Exposure

Emergency and First Aid Procedures

Eyes: flush w/water for 15 mins., call physician Skin: wash w/soap & water

Inh: remove to fresh air, call physician Ing: drink 2 glasses of milk or water; DO NOT

Section VII — Precautions for Safe Handling and Use INDUCE VOMITING

Steps to Be Taken in Case Material Is Released or Spilled

ventilate area; contain spill; cover with absorbent material; collect spilled material; clean up residue; place in an approved metal container and seal

Waste Disposal Method

since regulations vary, consult applicable regulations or authorities before disposal

Precautions to Be Taken in Handling and Storing

store containers in cool safe area reserved for disinfecting and sterilizing supplies; do not store in the presence of pharmaceuticals or food

Other Precautions

keep all containers closed or covered

Section VIII — Control Measures Rating: 10

Respiratory Protection (Specify Type) if vapors are not well controlled, a full face piece resp. w/organic vapor cartridge will be needed to prevent irrit. of the eyes & resp. tract

Ventilation	Local Exhaust for all open containers	Special
	Mechanical (General)	Other

Protective Gloves

recommended

Eye Protection

chemical safety glasses or goggles

Other Protective Clothing or Equipment

as needed to prevent skin contact

Work/Hygienic Practices

do not eat or smoke in area when handling this material; wash hands thoroughly