

Product Identification

Chemical Name and Synonyms	Antimicrobial solution
Chemical Family	2% glutaraldehyde aqueous solution
Chemical Formula	Not applicable
Product Use	Disinfectant / sterilant
Manufacturer's Information Microbex, Division of Alliance H. Inc. 22A – 4630 Dufferin St. Toronto, ON M3H 5S4 416-391-1700	

Physical Data

Physical State	Liquid
Odour / appearance	Clear with a characteristic sharp odour
Odour Threshold (ppm)	Not available
Vapour Pressure (mmHg)	Not available
Vapour Density (Air = 1)	Not available
Evaporation Rate (g/m ²)	Not available
Boiling Point (°C)	100
Freezing Point (°C)	-1
pH	3 - 4
Specific Gravity (Water=1)	1.0
Coefficient of water/oil distribution	Not available

Shipping Description

Shipping Name	Not applicable
T.D.G. Class	Not regulated
P.I.N.	Not applicable
Pkg. Group	Not applicable

Hazard Rating (NFPA-704-M)

Fire	0
Reactivity	1
Toxicity	2
Special	Not applicable
WHMIS Class	D,2B
Emergency	CANUTEC 613-996-6666

List of Hazardous Ingredients

Ingredients	%	LD 50 (oral, rat) mg/kg	CAS No.
Glutaraldehyde	2.0	735	111-30-8
IN THE ACTIVATOR			
Ethylene Glycol	0.1-1	4700	107-21-1

Reactivity Data

Chemical Stability	Stable
Incompatibility with other substances	Strong acids and alkali
Conditions for Reactivity	High temperatures (>94°C), strong acids / alkali
Hazardous Decomposition Products	Not available

Fire and Explosion Data

Flammability	Not flammable
Extinguishing Media	Not applicable
Flash Point (method used)	Not applicable
Autoignition Temperature	Not applicable
Upper Flammable Limit (% by volume)	Not available
Lower Flammable Limit (% by volume)	Not available
Hazardous Combustion Products	CO and / or CO ₂
Sensitivity to Impact	Not available
Sensitivity to Static Discharge	Not applicable
Special Fire Hazards	Once the water evaporates, remaining material will burn. Self-contained breathing apparatus; CO ₂ or dry chemical foam to put out the fire.

Toxicological Properties and Health Data

<i>Toxicological Data</i>	
LD ₅₀	Not Available
LC ₅₀	Not Available
<i>Effects of Acute Exposure to Product</i>	
Ingestion Moderately toxic. Large amount may cause irritation to digestive tract.	
Eye Contact Stinging sensation. May cause eye damage, conjunctivitis	
Skin Contact May cause irritation	
Inhalation Irritation of the respiratory tracts, causing stinging sensations in the nose & throat, coughing and headaches.	
Special Notes Not available	
<i>Effects of Chronic Exposure to Product</i>	
Skin	Cumulative Dermatitis
Carcinogenicity	Not available
Teratogenicity	Not available
Reproductive Effects	Not available
Mutagenicity	Not available
Synergistic Product	Not available
Irritancy to Product	May aggravate existing dermatitis
Sensitization to Product	Allergic contact dermatitis
Special Notes	Not available

Preventive Measures

Engineering Controls When handled in covered equipment, general room ventilation is adequate
Respiratory Protection Air purifying cartridge respirator equipped for organic vapours and mists
Eye Protection Protective eye wear
Skin Protection Rubber, nitrile, butyl or polyethylene gloves.
Other Personal Protective Equipment Eye bath, safety shower.
Leak / Spill Procedure Wear suitable protective equipment. Provide adequate ventilation. Contain spill with appropriate absorber. It may be possible to decontaminate spilled material by careful application of glycine, aqueous ammonium hydroxide or sodium bisulfite solution.
Waste Disposal Dispose according to federal, provincial and municipal regulations.
Handling Procedures and Equipment Wear goggles, protective clothing and rubber gloves. Avoid breathing vapour.
Storage Requirements Container should always be closed.
Special Notes Cover the instrument bath.

First Aid

Ingestion DO NOT INDUCE VOMITING. Seek medical help.	
Eye Contact Immediately flush eyes with plenty of water, holding eyelids open. Contact physician.	
Skin Contact Wash with plenty of water. If irritation persists, contact physician.	
Inhalation Remove to fresh air. If breathing is difficult, administer oxygen. If symptoms persist, contact physician.	
Notes to Physician	Not available

Preparation Information

Date Reviewed	2009 June 30
Prepared by	Microbex Technical Staff
<i>Microbex believes that the information contained herein is reliable and accurate. Microbex makes no warranty with respect thereto and expressly disclaims all liability for reliance thereon. Such information is solely for your consideration, investigation and verification.</i>	