

## HMIS

Health	2
Flammability	0
Reactivity	0

BioClenz 4™

## Material Safety Data Sheet

## SECTION I - IDENTITY AND MANUFACTURER'S INFORMATION

CAS # 18472-51-0

Manufactured for: <b>UltraClenz Corporation</b>	Product Name <b>CHLORHEXIDINE GLUCONATE SOLUTION 4.0% (W/W)</b>
Address <b>50 Finnell Drive, Weymouth, MA 02188</b>	Date Prepared <b>1/4/04</b>
Emergency Telephone No. <b>1-800-255-3924</b>	Telephone Number for Information: <b>781-331-7877</b>

## SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components (Specific Chemical Identity: Common Name(s))	CAS #'s	OSHA PEL	ACGIH TLV	Other Limits Recommended	%(Optional)
<b>PARA-CHLOROANILINE (P.C.A.)</b>		<b>N/A</b>	<b>500P.P.M.</b>		
<b>CHLORHEXIDINE</b>	<b>56-55-1</b>	<b>N/A</b>	<b>N/A</b>		
<b>ISOPROPYL ALCOHOL</b>	<b>67-63-0</b>	<b>400P.P.M.</b>	<b>400P.P.M</b>		<b>4.00%</b>

## SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point (Approximately) <b>206°F</b>	Specific Gravity (H2O=1) <b>1.06</b>	IMO Hazard Class <b>NON HAZARD</b>
Vapor Pressure (mm Hg.) <b>N/A</b>	Melting Point <b>N/A - LIQUID</b>	Packaging Group <b>"</b>
Vapor Density (AIR = 1) <b>N/A</b>	Evaporation Rate (butyl acetate = 1) <b>APPROXIMATELY SAME AS WATER</b>	Emergency Scheduling <b>EMS NO.: 2 -05</b>
Solubility In Water <b>SOLUBLE</b>	Appearance and Odor <b>ALMOST COLORLESS OR PALE STRAW COLOR</b>	Medical First Aid Guide <b>MFAG NO. : 2</b>

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used) <b>125°F CLOSED CUP</b>	Flammable Limits <b>NOT FLAMMABLE</b>	LEL <b>N/A</b>	UEL <b>N/A</b>
Extinguishing Media <b>FOAM, DRY CHEMICAL, CO2, WATER FOG</b>			
Special Fire Fighting Procedures <b>MUST WEAR MSHA/NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY</b>			
Unusual Fire and Explosion Hazards <b>THERMAL DECOMPOSITION MAY PRODUCE TOXIC FUMES OF AMMONIA, HYDROGEN CHLORIDE AND OXIDES OF CARBON AND NITROGEN</b>			

## SECTION V - PHYSICAL HAZARDS

Stability	Unstable Stable <b>X</b>	Conditions to Avoid <b>STORAGE OVER 37°C (104°F)</b>
Incompatibility (Material to Avoid) <b>N/A</b>		
Hazardous Decomposition Products or By-Products <b>P.C.A.</b>		
Hazardous Polymerization	May Occur Will Not Occur <b>X</b>	Conditions to Avoid <b>(37°C) STORAGE IN EXCESS HEAT (104°F) OVER A LONG PERIOD OF TIME</b>

## SECTION VI - HEALTH HAZARDS

Routes of Entry:	Inhalation? <b>NO</b>	Skin? <b>NOT ABSORBED</b>	Ingestion? <b>POSSIBLE</b>
Health Hazards [Acute and Chronic] <b>ORAL LD50: 1.8 g/Kg (RAT). HAZARDOUS TO INNER EYE, FLUSH THOROUGHLY WITH WATER HAZARDOUS TO MIDDLE EAR WITH PERFORATED EAR DRUM</b>			

N/A (Not Applicable/Not Available)

N/E (Not Established)

# 4% CHLORHEXIDINE GLUCONATE

## SECTION VI - HEALTH HAZARDS (continued)

Carcinogenicity <b>NONE</b>	National Toxicology Program <b>NONE</b>	T.S.C.A. <b>YES</b>	I.A.R.C. Monograph <b>NONE</b>	OSHA Regulated <b>NO</b>
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Signs and Symptoms of Exposure  
**SKIN AND EYE IRRITANT**

Medical Conditions Generally Aggravated by Exposure  
**DERMATITIS**

Emergency and First Aid Procedures  
**FLUSH WITH WATER FROM EYES AND EARS FOR AT LEAST 15 MINUTES**

## SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled  
**FLUSH WITH WATER. IF IRRITATION OCCURS AND PERSISTS GET MEDICAL ATTENTION**

Waste Disposal Method  
**FLUSH WITH WATER.**

Precautions to be Taken in Handling and Storing  
**DO NOT SPILL INTO EYES/EARS.**

Other Precautions  
**HANDLE WITH CARE. IN CASE OF EYE CONTACT, IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.**

## SECTION VIII - CONTROL MEASURES

Respiratory Protection (Specify Type)  
**NONE NEEDED**

Ventilation	Local <b>OK</b>	Mechanical (General)	Special	Other
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Protection Gloves <b>TYPICALLY NOT APPLICABLE. WEAR RUBBER GLOVES FOR PROLONGED HANDLING FOR SPILLS.</b>	Eye Protection <b>NONE REQUIRED WITH NORMAL USE. USE SAFETY GLASSES OR OTHER EYE PROTECTION IF EXPOSURE IS POSSIBLE.</b>
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Other Protective Clothing or Equipment <b>NONE NEEDED</b>	Work/Hygiene Practices <b>HANDLE WITH CARE</b>
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## SECTION IX - DISPOSAL CONSIDERATIONS

Waste Disposal Method  
**AN ACCEPTABLE METHOD OF DISPOSAL IS TO DILUTE WITH LARGE AMOUNTS OF WATER FOLLOWED BY DISCHARGE INTO A SUITABLE TREATMENT SYSTEM IN ACCORDANCE WITH ALL REGULATORY AGENCIES. BECAUSE ACCEPTABLE METHODS OF DISPOSAL MAY VARY BY LOCATION AND BECAUSE REGULATORY REQUIREMENTS MAY CHANGE, THE APPROPRIATE REGULATORY AGENCIES SHOULD BE CONTACTED PRIOR TO DISPOSAL.**

## SECTION X - REGULATORY INFORMATION

Component	SARA EHS (302) *	SARA TPO (lbs)	SARA 313**	CERCLA (lbs)***	DeMinimis for SARA 313	OSHA floor list
<b>PARA-CHLOROANILINE (P.C.A.) CHLORHEXIDINE ISOPROPYL ALCOHOL</b>			<b>Y</b>		<b>0.1</b>	<b>Y</b>

\* 40 CFR 355

\*\* 40 CFR 370

\*\*\* 40 CFR 302

TSCA Inventory:

**THE CAS NUMBER OF THIS ITEM IS LISTED ON THE TSCA INVENTORY**

## SECTION XI - TRANSPORTATION INFORMATION

DOT GROUND:	<b>CHLORHEXIDINE GLUCONATE AQUEOUS SOLUTIONS OF ALCOHOL CONTAINING 24% OR LESS ALCOHOL BY VOLUME AND NO OTHER HAZARDOUS MATERIAL</b>
IATA:	<b>CHLORHEXIDINE GLUCONATE AQUEOUS SOLUTIONS</b>
IMDG:	<b>CHLORHEXIDINE GLUCONATE AQUEOUS SOLUTIONS</b>
DOT CLASS:	<b>NOT HAZARDOUS</b>
DOT LABELS:	<b>PROPER NAME</b>
PRECAUTIONS:	<b>PROTECT FROM PHYSICAL DAMAGE. KEEP DRUMS/BOTTLES IN UPRIGHT POSITION. DO NOT STACK WHILE IN STORAGE OR TRANSIT.</b>

The information, data, and recommendations contained herein are believed to be accurate. However, we make no warranty of any kind whatever with respect thereto and disclaim all liability from reliance thereon.