




MSDS - IrriSept - Chlorhexidine Gluconate

The attached Material Safety Data Sheet (MSDS) is for all IrriSept products containing Chlorhexidine Gluconate (0.05%) in Water for Irrigation (99.95%), including:

- Max-302, IrriSept
- Max-402, IrriSept O.R.

MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION			
PRODUCT NAME: Chlorhexidine Gluconate Solution PRODUCT NUMBER:			
TRADE NAME: Chlorhexidine Gluconate Solution GENERAL USE: Surface disinfectant. CHEMICAL FAMILY: PRODUCT DESCRIPTION: Clear Colorless, Odorless Solution			
MANUFACTURER Irrimax Corporation	EFFECTIVE DATE: September 2, 2010 DATE OF EXPIRATION: September 1, 2013 SUPERSEDES DATE: June 11, 2010		
TELEPHONE NUMBER (General Inquiries) 770-807-8445	CHEMTEL 24-HOUR EMERGENCY TELEPHONE NUMBERS		
ADDRESS (NUMBER, STREET, P.O. BOX) 1565 Lake Pkwy #102 (CITY, STATE AND ZIP CODE) Lawrenceville GA 30043	COUNTRY USA		1-800-255-3924 North America (Toll Free)
		813-248-0585 International and Local Calls	
SECTION 2 - HAZARDS IDENTIFICATION			
EMERGENCY OVERVIEW This product has been determined to be non-hazardous and non-combustible.			
USA (DOT) None	CANADA (WHMIS) None	EUROPEAN None	(GHS) HAZARD SYMBOLS None
HMIS HAZARD RATINGS 0 = INSIGNIFICANT, 1 = SLIGHT, 2 = MODERATE 3 = HIGH, 4 = EXTREME * - CHRONIC HEALTH HAZARD		HEALTH: 1 FLAMMABILITY: 0 PHYSICAL HAZARD: 0	
REQUIRED PERSONAL PROTECTIVE EQUIPMENT: HMIS PERSONAL PROTECTIVE EQUIPMENT LETTER: <p style="text-align: center;">A</p> 			
RISK PHRASES None			
SAFETY PHRASES None			
POTENTIAL HEALTH EFFECTS			
ACUTE EXPOSURE EFFECTS			
INHALATION: May cause irritation of the respiratory tract.			
SKIN: May cause skin irritation in susceptible individuals.			
EYES: May cause eye irritation.			
INGESTION: May cause gastrointestinal irritation and upset.			
INGESTION:			
CHRONIC EXPOSURE EFFECTS None known.			
CARCINOGENICITY: NTP? NO IARC MONOGRAPHS? NO OSHA REGULATED? NO CALIFORNIA, Prop.65? NO ESIS NOTATION? NO			

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: Chlorhexidine Gluconate Solution
PRODUCT NUMBER:

SECTION 3 - HAZARDOUS INGREDIENTS

Hazardous Components	% (by Weight)	CAS #	EINECS #	Hazard Symbol	RISK PHRASES (Full Text Section 2)
Chlorhexidine Gluconate	<0.5%	18472-51-0	242-354-0	Xn,Xi,N	R22,R41,R50/53

NOTES: This Material Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200), the Canadian Workplace Hazardous Materials Information System (WHMIS), and European Union Directive 1997/2006/EC (REACH). Hazard symbols and risk phrases are based on maximum listed concentration of each hazardous ingredient. Unlisted ingredients are not "hazardous" per the OSHA Hazard Communication Standard (29 CFR 1910.1200), the Canadian Workplace Hazardous Materials Information System (WHMIS) or the European (GHS) directive 91/155/EEC and are considered trade secrets under US Federal Law (29CFR and 40CFR), Canadian Law (Health Canada Legislation), and European Union Directive 67/548/EEC.

SECTION 4 - FIRST AID MEASURES

INHALATION:
 Move into fresh air and keep at rest. Seek medical assistance if irritation persists.

EYES:
 Remove contact lenses. Immediately flush with plenty of potable water for up to 15 minutes. Seek medical assistance if irritation persists.

SKIN:
 Remove contaminated clothes and rinse skin thoroughly with water.

INGESTION:
 Immediately rinse mouth and drink plenty of water. Keep person under observation. If person becomes uncomfortable seek medical assistance and bring container and /or label. **DO NOT INDUCE VOMITING**

SECTION 5 - FIRE FIGHTING MEASURES

DATA RELATED TO FIRE:

FLASH POINT: None	AUTO-IGNITION TEMPERATURE: None
FLAMMABLE/EXPLOSIVE LIMITS:	LOWER: None UPPER: None

Sensitivity to Mechanical Impact/ STATIC DISCHARGE: None

GENERAL HAZARDS:
 Product is not combustible.

SUITABLE EXTINGUISHING MEDIA:
 As appropriate to fight surrounding fire.

UNSUITABLE EXTINGUISHING MEDIA:
 None

FIRE FIGHTING PROCEDURES:
 No special procedures are required.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
 None.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
 Avoid contact with eyes. Dam and absorb spillage with sand, sawdust or other absorbent. For waste disposal, see section 13.

SECTION 7 - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:
 Avoid contact with eyes. Observe good chemical hygiene practices. Provide easy access to water supply and eye wash facilities. Store in tightly closed original container. Protect from light and heat. Avoid storage at temperatures above 37 °C and incompatible substances

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: Chlorhexidine Gluconate Solution			
PRODUCT NUMBER:			
SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION			
Component	CAS #	ACGIH Exposure Limits (mg/m3 unless otherwise noted)	OSHA Exposure Limits (mg/m3 unless otherwise noted)
Chlorhexidine Gluconate	18472-51-0	NE	NE
PERSONAL PROTECTION			
RESPIRATORY PROTECTION: Not normally required.			
PROTECTIVE GLOVES: Not normally required.			
EYE PROTECTION: Safety glasses with side shield splash protection.			
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Not required.			
ENGINEERING CONTROLS: An eye wash bottle must be available at the work site.			
WORK / HYGIENIC PRACTICES: Wash thoroughly with soap and water before eating drinking or smoking after use of this product.			
SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES			
APPEARANCE AND ODOR Clear Colorless, Odorless Solution.		VAPOR PRESSURE (=water)	
ODOR THRESHOLD None		SPECIFIC GRAVITY (WATER = 1) Approximately 1.0	
FREEZING / MELTING POINT 0°C, (32°F)		BOILING POINT 100°C, (212°F)	
SOLUBILITY IN WATER Complete.		COEFFICIENT OF WATER / OIL DISTRIBUTION Favors water.	
pH Approximately 7.0		SOLUBILITY IN ORGANIC SOLVENTS Soluble in alcohols, ethers, ester solvents.	
FLASH POINT None		VISCOSITY NA	
FLAMMABLE LIMITS LEL: None UEL: None		VAPOR DENSITY (AIR = 1) (=1)	
AUTOIGNITION TEMPERATUR None		EVAPORATION RATE (WATER = 1) (=1)	
VOLATILE ORGANIC COMPOUND (VOC) INFORMATION NA			
SECTION 10 - STABILITY AND REACTIVITY			
STABILITY Stable in normal use.		CONDITIONS TO AVOID: Temperatures above 37 °C (98.6°F) and incompatible substances	
INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers, Strong acids.			
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Oxides of Carbon, Small amounts of Organic Chlorine Compounds			
HAZARDOUS POLYMERIZATION: Will not occur.		CONDITIONS TO AVOID: None related to polymerization.	

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: Chlorhexidine Gluconate Solution			
PRODUCT NUMBER:			
SECTION 11 - TOXICOLOGICAL INFORMATION			
Complete Product			
Oral LD₅₀	Product is likely to be a gastro-intestinal irritant.		
Dermal LD₅₀	Not known - product may be slightly irritating by contact with skin.		
Inhalation LC₅₀	Not known - product may be a mild irritant to the respiratory tract.		
Irritation / Sensitization	Chemical and mechanical irritant to eyes; possible irritant to skin and respiratory tract.		
Carcinogenicity	Not Known		
Mutagenicity	Not Known		
Reproductive Toxicity	Not Known		
Teratogenicity	Not Known		
Product Components			
Component	CAS #	LD50 of Ingredient (Oral, Rat - unless otherwise specified)	LC50 of Ingredient (Inhalation, Rat - unless otherwise specified)
Chlorhexidine Gluconate	18472-51-0	1.8g/kg	NE
SECTION 12 - ECOLOGICAL INFORMATION			
Chlorhexidine gluconate: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. IC50 (Algae): 0,01 < IC50 ≤ 0,1 mg/l EC50 (Daphnia): 0,1 < EC50 ≤ 1 mg/l			
SECTION 13 - DISPOSAL CONSIDERATIONS			
WASTE DISPOSAL METHOD: Dispose of waste and residues in accordance with local, state and national authority requirements. Waste is classified as hazardous waste in some jurisdictions.			
SECTION 14 - TRANSPORT INFORMATION			
PROPER SHIPPING NAME: Not regulated for transport.			
DOT HAZARD CLASS / Pack Group:	Not regulated for transport.	IATA HAZARD CLASS / Pack Group: Not regulated.	
REFERENCE:	49CFR, IATA, IMO/IMDG.	IMDG HAZARD CLASS: Not regulated.	
UN / NA IDENTIFICATION NUMBER:	None	RID/ADR Dangerous Goods Code: NA	
LABEL:		TDG Class / Pack Group:	
HAZARD SYMBOLS:	None	Hazard Identification Number (HIN): NA	
Note: Transportation information provided is for reference only. Client is urged to consult CFR 49 parts 100 - 177, IMDG, IATA, EU, United Nations TDG, and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.			
SECTION 15 - REGULATORY INFORMATION			
TSCA (USA - Toxic Substance Control Act):		Listed.	
SARA TITLE III (USA - Superfund Amendments and Reauthorization Act):			
Acute Health:	NO	Chronic Health:	NO
Fire:	NO	Sudden Release of Pressure:	NO
Reactive:	NO		
SARA 313 REPORTABLE INGREDIENTS:			
CERCLA (USA - Comprehensive Response Compensation and Liability Act):			
California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986:			
CPR (Canadian Controlled Products Regulations):		WHMIS Exempt as a pharmaceutical product.	
IDL (Canadian Ingredient Disclosure List): Not listed.			
DSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List):		Listed in DSL	
EINECS (European Inventory of Existing Commercial Chemical Substances):		Referenced	
WGK Water Quality Index:		NR	
EU RISK PHRASES:	SYMBOL(S) REQUIRED FOR EU/GHS LABEL	EU SAFETY PHRASES:	
None	None	None	

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: Chlorhexidine Gluconate Solution
PRODUCT NUMBER:

SECTION 16 - OTHER INFORMATION

Legend:

ACGIH American Congress of Government Industrial Hygienists
CAS Chemical Abstracts Service
EINECS European Inventory of Existing Commercial Chemical Substances
HMIS Hazardous Materials Identification System
IARC International Agency for Research on Cancer
NA Not Available ND Not Determined
NE Not Established NR Not Reported
NIOSH National Institute for Occupational Safety and Health
NTP National Toxicology Program
OSHA Occupational Safety and Health Administration

REVISION SUMMARY:

Revised Sections 7 & 10 9/2/2010. --JTV--

MSDS Prepared by:

ChemTel Inc.
1305 North Florida Avenue
Tampa, Florida USA 33602-2902
Toll Free North America 1-888-255-3924 Intl. +01 813-248-0573
Website: www.chemtelinc.com



The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.