



## Material Safety Data Sheet

### 1 Product Identification

Generic name: CHLORHEXDINE GLUCONATE 4.0% W/W

### 2 Composition/Information on Ingredients

CHLORHEXDINE GLUCONATE 4.0% W/W

### 3 Hazards Identification

HAZARDOUS COMPONENTS OSHA PEL ACGIH TLV OTHER LIMITS %  
(SPECIFIC CHEMICAL RECOMMENDED (OPTIONAL)  
IDENTITY; COMMON NAME(S))  
PARA-CHLOROANILINE P.C.A. N.A. 500 P.P.M.  
CHLORHEXIDINE 56-55-1 N.A. N/A

### 4 First Aid Measures

RESPIRATORY PROTECTION (SPECIFY TYPE): NONE NEEDED  
VENTILATION  
LOCAL EXHAUST OK  
MECHANICAL (GENERAL)  
SPECIAL

OTHER  
PROTECTIVE GLOVES: YES  
EYE PROTECTION: USE CHEMICAL GOGGLES  
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: NONE NEEDED  
WORK HYGIENIC PRACTICES: HANDLE WITH CARE.

### 5 Fire Fighting Measures

FLASH POINT (METHOD USED): 125 DEG. F CLOSED CUP  
FLAMMABLE LIMITS: NOT FLAMMABLE  
LEL: N/A  
UEL: N/A  
EXTINGUISHING MEDIUM: FOAM, DRY CHEMICAL, CO<sub>2</sub>, WATER FOG.  
SPECIAL FIRE FIGHTING PROCEDURES:  
MUST WEAR MSHA/NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS.

COOL FIRE  
EXPOSED CONTAINERS WITH WATER SPRAY.  
UNUSUAL FIRE AND EXPLOSION HAZARDS:  
THERMAL DECOMPOSITION MAY PRODUCE TOXIC FUMES OF AMMONIA,



HYDROGEN CHLORIDE AND  
OXIDES OF CARBON AND NITROGEN.  
REPRODUCED LOCALLY:

## 6 Handling and Storage

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 ON SKIN OR 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.

## 7 Physical and Chemical Properties

BOILING POINT: APPROXIMATELY 206 DEG. F 97 DEG. C  
SPECIFIC GRAVITY (H<sub>2</sub>O = 1): 1.06  
INTERNATIONAL MARITIME ORGANIZATION HAZARD CLASS; IMO: NON HAZARD  
VAPOR PRESSURE (MM Hg.): N/A  
MELTING POINT: N.A. LIQUID  
PACKAGING GROUP: II  
VAPOR DENSITY (AIR = 1): N/A  
EMERGENCY SCHEDULING; EMS NO.: 2-05  
SOLUBILITY IN WATER: SOLUBLE  
MEDICAL FIRST AIR GUIDE; MFAG NO.: 2  
APPEARANCE AND ODOR: ALMOST COLORLESS OR PALE STRAW COLOR  
EVAPORATION RATE (BUTYL ACETATE=1): APPROXIMATELY SAME AS WATER

## 8 Stability and Reactivity

STABILITY:  
UNSTABLE ( )  
STABLE (X)  
CONDITIONS TO AVOID: STORAGE OVER 37 DEG. C (104 DEG. F)  
INCOMPATIBILITY (MATERIAL TO AVOID): N/A  
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: P.C.A.  
HAZARDOUS POLYMERIZATION  
MAY OCCUR ( )  
WILL NOT OCCUR (X)  
CONDITIONS TO AVOID:



STORAGE IN EXCESS HEAT 37 DEG. C (104 DEG. F) OVER A LONG PERIOD OF TIME

### 9 Toxicological Information

ROUTE(S) OF ENTRY  
INHALATION? NO  
SKIN? NOT ABSORBED  
INGESTION? POSSIBLE  
HEALTH HAZARDS (ACUTE AND CHRONIC):  
ORAL LD50: 1.8 G/KG/(RAT).  
HAZARDOUS TO INNER EYE, FLUSH THOROUGHLY WITH WATER.  
HAZARDOUS TO MIDDLE EAR WITH PERFORATED EAR DRUM.  
CARCINOGENICITY? NONE  
NTP? NONE  
T.S.C.A? YES  
IARC MONOGRAPH? NONE  
OSHA REGULATED? NO  
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 OR EARS FOR AT LEAST 15 MINUTES.

### 10 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.

### 11 Transportation Information

DOT GROUND:  
CHLORHEXIDINE GLUCONATE AQUEOUS SOLUTIONS OF ALCOHOL CONTAINING 24%  
OR LESS ALCOHOL BY VOLUME AND NO OTHER HAZARDOUS MATERIAL  
IATA: CHLORHEXIDINE GLUCONATE AQUEOUS SOLUTIONS  
IMDG: CHLORHEXIDINE GLUCONATE AQUEOUS SOLUTIONS  
DOT CLASS: NOT HAZARDOUS  
DOT LABELS: PROPER NAME  
PRECAUTION: PROTECT FROM PHYSICAL DAMAGE. KEEP DRUMS/BOTTLES IN



**Raman & Weil Pvt. Ltd.**

UPRIGHT POSITION. DO NOT  
STACK WHILE IN STORAGE OR TRANSIT.  
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.  
4.0% CHLORHEXIDINE GLUCONATE

## 12 Regulatory Information

SARA EHS SARA TPQ SARA CERCLA DEMINIMIS OSHA  
COMPONENT (302)\* (LBS) 313\*\* (LBS)\*\*\* FOR SARA FLOOR

313 LIST

PARA-CHLOROANILINE P.C.A.

CHLORHEXIDINE

ISOPROPYL ALCOHOL Y 0.1 Y

\*40 CFR 355

\*\*40 CFR 370

\*\*\*40 CFR 302

TSCA INVENTORY:

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

## 13 Other Information

NA