

SAFETY DATA SHEET

according to Regulation (EC) No. 453/2010

Dental Use



Date Issued : 03/02/2006

SDS No : 34-001.10

Date Revised : 09/14/2017

Revision No : 9

ChlorCid[®], ChlorCid[®] V, & Chlorcid[®] Surf**SECTION 1 : Identification of the substance/preparation and of the company/undertaking****1.1. Product identifier**

Product code : CC/66004, CV/69004, CG/1005564
Product name : ChlorCid[®], ChlorCid[®] V, & Chlorcid[®] Surf
Product description : 3% Sodium Hypochlorite Solution

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses : Professional Dental Sodium Hypochlorite Solution

1.3. Details of the supplier of the safety data sheet**Manufacturer**

Ultradent Products, Inc.
 505 W. Ultradent Drive (10200 South)
 South Jordan, UT 84095

1.4. Emergency telephone number

CHEMTREC (NORTH AMERICA) :(800) 424 - 9300
(INTERNATIONAL) :+1(703) 527 - 3887



SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification according to Regulation(EC) No 1272/2008 [CLP]**

: The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Health : Skin Corrosion, Category 1B

Environmental : Acute Hazards to the Aquatic Environment, Category 1

2.2. Label elements**Classification according to Regulation(EC) No 1272/2008 [CLP]**

Hazard pictogram(s) :  
 Corrosive Environment

Signal Word : DANGER

Hazard statement(s) : H314: Causes severe skin burns and eye damage.
 H400: Very toxic to aquatic life.

Precautionary statement(s)

Prevention : P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P260: Do not breathe dust/fume/gas/mist/vapours/spray.
 P264: Wash hands thoroughly after handling.
 P273: Avoid release to the environment.

Response : P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for

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breathing.
P312: Call a POISON CENTER or doctor/physician if you feel unwell.
P301: IF SWALLOWED:
P330: Rinse mouth.
P331: Do NOT induce vomiting.
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P363: Wash contaminated clothing before reuse.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P391: Collect spillage.

Disposal : P501: Dispose of container and unused contents in accordance with federal, state, and local requirements.

2.3. Other hazards

Conclusion: The substance does not fulfill the PBT and vPvB criteria for screening assessment; there are no indications of P or B properties.

SECTION 3: Composition / information on ingredients

3.1. Substances

Not Applicable

3.2. Mixtures

Chemical Name	CAS	EINECS No.	Wt. %	Classification according to Regulation(EC) No 1272/2008 [CLP]
Sodium Hypochlorite	7681-52-9	231-668-3	3	Skin Corr.,Cat. 1B; Aquatic Acute,Cat. 1; H314; H400
Sodium Hydroxide	1310-73-2	215-185-5	≤ 3	Skin Corr.,Cat. 1B; H314

For full text of H-statements: see SECTION 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Following eyes : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eye lids. Check for and remove contact lenses if present. Get medical attention if needed.

Following skin : Remove all contaminated clothing and rinse skin with shower. Wash clothing before reuse.

Following ingestion : If swallowed, rinse mouth with water, Do NOT Induce Vomiting. Give victim a glass of water or milk. Call a physician or poison control center if you feel unwell.

Following inhalation : If inhaled, remove to fresh air. Get medical attention if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

Eyes : Irritating to eyes.

Skin : May cause severe skin burns.

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Ingestion : Substance may be harmful if swallowed.
Inhalation : May be harmful if inhaled.

4.3. Indication of any immediate medical attention and special treatment needed

Notes to physician : Causes eye irritation.

SECTION 5: Fire fighting measures

5.1. Extinguishing media

Extinguishing media : Water spray, fog, or mist, foam, dry chemical, carbon dioxide (CO₂)

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products : None known.

5.3. Advice for firefighters

Fire fighting procedures : General: Evacuate all personnel; use protective equipment for fire-fighting. Use self-contained breathing apparatus when the product is involved in fire.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General procedures : Refer to Section 8 for Personal Protective Equipment.

6.2. Environmental precautions

Water spill : Do not allow to enter sewers or drains that may lead to waterways.

6.3. Methods and material for containment and cleaning up

Small Spill : ONLY PEOPLE WEARING PPE SHOULD CLEANUP SPILLS. Wipe up small amounts with chemical resistant or damp rag which is washed with large amounts of water after each use. After cleaning, flush away traces with water.

Large Spill : ONLY PEOPLE WEARING PPE SHOULD CLEAN UP SPILLS. Absorb with inert, damp non-combustible material, then flush area with water.

6.4. Reference to other sections

Reference to other sections : NAP

Additional information : PPE MUST BE WORN WHILE CLEANING UP ANY SPILLS. IF PEOPLE ARE NOT WEARING PPE THEY MUST BE EVACUATED FROM THE AREA OF THE SPILL.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling : Use suitable protective equipment.

Storage : See product labeling.

7.2. Conditions for safe storage, including any incompatibilities

Shelf life : See product labeling

7.3. Specific end use(s)

Specific end use(s) : Professional Dental Sodium Hypochlorite Solution

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: Sodium Hydroxide CAS: 1310-73-2

Control Parameters	Exposure Limits
OSHA PEL General Industry	2 mg/m ³ TWA
OSHA PEL - Construction Industry	2 mg/m ³ TWA
OSHA PEL - Shipyard Employment	2 mg/m ³ TWA
NIOSH REL	2 mg/m ³ Ceiling
ACGIH TLV	3 Ceiling
CAL/OSHA PEL	2 mg/m ³ Ceiling

Sodium Hydroxide International Regulations

Country	Exposure Limits	Limit Values
Australia	Peak limitation(199)	2 mg/m ³
Federal Republic of Germany	Short term level	2 mg/m ³ , 4 mg/m ³ , 5 minutes. 8 times per shift (1990)
United Kingdom	10 min Short term exposure limit (STEL)	2 mg/m ³ (1991)

8.2. Exposure controls**Eye/face protection**

: Wear eye protection.

Skin protection

: Wear suitable protective clothing and gloves.

Respiratory protection

: Use only in a well ventilated area.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties****Physical state**

: Liquid

Appearance

: Clear

Colour

: CV/69004 Yellow, CC/66004 Yellow to yellowish-green, CG/1005564 Yellow to yellowish-green

Odour

: Chlorine

Specific gravity

: Chlorcid Surf = 1.07

9.2. Other information**Additional information**

: No further relevant information available

SECTION 10: Stability and reactivity

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10.1. Reactivity

Reactivity : Stable

10.2. Chemical stability

Chemical stability : Stable when stored and handled under recommended conditions.

10.3. Possibility of hazardous reactions

Hazardous polymerization : None

10.4. Conditions to avoid

Conditions to avoid : Contact with acids liberates toxic gas.

10.5. Incompatible materials

Incompatible materials : Ammonia, reducing agents, combustible materials, organic materials, acids

10.6. Hazardous decomposition products

Hazardous decomposition products : None known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute

Dermal LD₅₀ : > 39600 mg/kg Rabbit

Notes : There are no components of unknown toxicity (Dermal).

Oral LD₅₀ : > 4500 mg/kg Rat/Mouse

Notes : There are no components of unknown toxicity (Oral).

Inhalation LC₅₀ : Not able to calculate ATE mix (inhalation) due to lack of data on the components.

Germ cell mutagenicity : The components in this product are not reported to produce mutagenic effects in humans.

Carcinogenicity : None of the components of this material are listed by IARC, NTP, or CA Prop 65 as carcinogens.

Reproductive toxicity : The components in this product are not reported to cause reproductive effects in humans.

Other information : This product is composed of dilute sodium hypochlorite, which has a known toxicological profile. The product is only to be used by licensed dental professionals according to its intended use.

SECTION 12: Ecological information

12.1. Toxicity

Aquatic toxicity (acute) : Do not allow to enter sewers or drains that may lead to waterways.

12.2. Persistence and degradability

Persistence and degradability : Not classified

12.3. Bioaccumulative potential

Bioaccumulative potential : Not classified

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Mobility in soil : Not available

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment : Conclusion: The substance does not fulfill the PBT and vPvB criteria for screening assessment; there are no indications of P or B properties.

12.6. Other adverse effects

Environmental data : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Disposal method : Dispose of container and unused contents in accordance with federal, state, and local requirements.

SECTION 14: Transport information**14.1. UN number**

UN number : 3266

14.2. UN proper shipping name

UN proper shipping name : Corrosive, Liquid, Basic, Inorganic, N.O.S. (Sodium Hypochlorite Mixture)

14.3. Transport hazard class(es)

Primary hazard class/division : 8

Hazard classification : 8

14.4. Packing group

Packing group : II

14.5. Environmental hazards

Marine pollutant #1 : NAP

14.6. Special precautions for user

ADR - road : NAP

RID - rail : NAP

IMDG - sea : NAP

IATA - air : NAP

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Transport in bulk : NAP

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

General information : All of the chemicals in the formulation are on the US TSCA inventory. All of the chemicals in the formulation are either on the Canadian DSL list or on the NDSL list.

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General comments : US Medical Device (Not sold in the EU)

15.2. Chemical safety assessment

Chemical safety assessment : See Section 11

Additional information : None of the ingredients are listed as a carcinogen by IARC, NTP, or CA Prop 65.

SECTION 16: Other information

Relevant H-statements (number and full-text) : Aquatic Acute, Cat. 1: Acute Hazards to the Aquatic Environment, Category 1
Skin Corr., Cat. 1B: Skin Corrosion, Category 1B
H314: Causes severe skin burns and eye damage.
H400: Very toxic to aquatic life.

Prepared by : Anu Kattoju

Revision summary : This SDS replaces the 09/14/2017 SDS. Revised: **Section 1**: Date-Revised, MSDS No, PRODUCT CODE/ PART #. **Section 4**: EYES, INHALATION, SIGNS AND SYMPTOMS OF OVEREXPOSURE (INHALATION, SKIN), SKIN. **Section 6**: . **Section 8**: PERSONAL PROTECTIVE EQUIPMENT - RESPIRATORY. **Section 9**: COMMENTS, PERCENT VOLATILE, SPECIFIC GRAVITY. **Section 11**: ACUTE (DERMAL LD₅₀ (rabbit), DERMAL LD₅₀ (rabbit), ORAL LD₅₀ (rat), ORAL LD₅₀ (rat) ACUTE, GENERAL COMMENTS, CARCINOGENICITY, GERM CELL MUTAGENICITY, REPRODUCTIVE TOXICITY. **Section 13**: DISPOSAL METHOD. **Section 15**: COMMENTS, GENERAL COMMENTS, RoHS.

General statements : NAP = Not Applicable
NE = Not Established
TLV = Threshold Limit Value
PEL = Permittable exposure limits
MAK = Maximum Workplace Concentration
STEL = Short-term exposure limit
STEV = Short-term exposure value
TWA = Time Weighted Average
PPE = Personal Protective Equipment
AMU = Atomic Mass Unit

Manufacturer disclaimer : FOR DENTAL USE ONLY: Use as directed. The information and recommendations are taken from sources (raw material SDS(s) and manufacturer's knowledge) believed to be accurate; however, the manufacturer, makes no warranty with respect to the accuracy of the information or the suitability of the recommendation and assumes no liability to any user thereof. Each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.