

SAFETY DATA SHEET

K-CARE® CHG

Section 1. Identification

GHS product identifier: K-CARE® CHG
Other means of Identification: Chlorhexidine Gluconate – 20% Aqueous Soln
Product type: Liquid
Material uses: Identified use(s) Antiseptic, disinfectant.
Supplier/Manufacturer: No.9 Huanghai Rd, Bohai Chemical Park, Yangkou Town, Shouguang, Shandong, China
In Case of Emergency: +86-15578804414

Section 2. Hazards identification

Classification of the substance or mixture

According to Regulation (EC) No. 1272/2008 (CLP): Acute toxicity, Oral (category 4)
 Eye irritation (category 2)
 Acute aquatic toxicity (category 1)
 Chronic aquatic toxicity (category 2)
According to Directive 67/548/EEC & Directive 1994/45/EC: R41: Risk of serious damage to eyes.
 R50 + R53: Very toxic to aquatic organisms.



GHS label elements

Hazard pictograms:
Signal word: Warning
Hazard statements: H302: Harmful if Swallowed
 H319: Causes serious eye irritation.
 H400: Very toxic to aquatic life.
 H411: Toxic to aquatic life with long lasting effects.

Precautionary statements

Prevention: Wear eye protection / face protection. Wash skin thoroughly after handling.
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Response: 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.
 P233: Keep container tightly closed.
 P273: Avoid release to the environment.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
 P330: Rinse mouth.
 P403+P235: Store in a well-ventilated place. Keep cool.
 P501: Dispose of contents/container to a licensed disposal company

Label elements:

Risk Phrases:

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 R41: Risk of serious damage to eyes.
 R50+R53: Very toxic to aquatic organisms.

Safety Phrases:

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 S37+S39: Wear protective gloves/protective clothing/eye protection/face protection.
 S46: If swallowed, seek medical advice immediately and show this container or label.
 S61: Avoid release to the environment. Refer to special instructions/Safety Data Sheets

Information pertaining to special dangers for human and environment:

This material is considered to represent risk of serious damage to eyes.
 Acutely toxic towards fish, acutely very toxic to daphnia magna and algae.

Section 3. Composition/information on ingredients

Substances

Synonyms (s): Chlorhexidine Gluconate 20%

EINECS No.: 242-354-0

CAS No: 18472-51-0

Ingredient name	%	CAS number
Chlorhexidine digluconate 20% w/v	20	18472-51-0
Water	80	7732-18-5

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section. Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Ingestion: Seek medical treatment. Do not give anything by mouth to an unconscious or convulsing person.

After Inhalation: Remove persons affected by vapour to fresh air. If breathing becomes difficult, call a physician. Apply artificial respiration only if patient is not breathing or under medical supervision.

After eye Contact: Irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 15 minutes. Obtain immediate medical attention.

After Skin Contact: Remove contaminated clothing immediately and drench affected skin with plenty of water, then wash with soap and water. Continue to wash the affected area for at least 15 minutes. If symptoms occur obtain medical attention. Contaminated clothing should be thoroughly cleaned.

Most important symptoms and effects, both acute and delayed: Severe irritant to the eye. Accidental ingestion is likely to result in irritation of the gastrointestinal tract.

First-aid equipment and medical advice for special treatment: Symptomatic treatment and supportive therapy as indicated.

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media: Extinguish with carbon dioxide, dry chemical, foam or waterspray.

Special hazards arising from the chemical: Dike fire control water for later disposal. Disposal should be in accordance with local, state or national legislation. Contain effluent and prevent effluent from entering sewers and waterways. Contain the goods or any materials used in fire fighting.

Advice for fire fighters: A self-contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

Special Information: Not available

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Wear suitable respiratory protective equipment. Wear protective gloves/protective clothing/eye protection/face protection. Contaminated clothing should be thoroughly cleaned.

Environmental precautions: Eliminate sources of ignition. Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a container for disposal. Disposal should be in accordance with local, state or national legislation. Ventilate area and wash spill site after material pick up is complete.

Methods and materials for containment and cleaning up: Evacuate the area. Adsorb spillages. Prevent liquid entering sewers, basements and any watercourses. Transfer to a container for disposal or recovery.

Reference to other sections: Collect mechanically and dispose of according to Section 13.

Section 7. Handling and storage

Precautions for safe handling

Protective measures:	Avoid direct physical contact. Comply with all applicable laws and regulations for handling Do not handle until all safety precautions have been read and understood. Operators should wear antistatic footwear and clothing. Do not inhale the steam prolonged or repeated. Check regularly for leaks. Do not use damaged containers. Store according to current laws and regulations Please pay attention to incompatibilities materials and conditions to avoid.
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Section 8. Exposure controls/personal protection

Control Parameters

Occupational exposure limits:	No Occupational Exposure Limit assigned.
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Exposure Controls

Engineering Controls:	Provide adequate ventilation when using the material and follow the principles of good occupational hygiene to control personal exposures.
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Personal Protection Equipment

Eye/Face protection:	Safety spectacles. Complete eye protection. Contact lenses may represent a special hazard. Have available eyewash bottle with clean water.
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Skin Protection:	Wear suitable gloves. Preferred protection: nitrile gloves.
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Respiratory Protection:	Where engineering controls are not fitted or inadequate wear suitable respiratory protective equipment. Facilities, conditions of use and the amount of material handled will determine the type of personal protective equipment required.
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Environmental Exposure Controls:

Consideration should be given to the work procedures involved and the potential extent of exposure as they may determine whether a higher level of protection is required.

Section 9. Physical and chemical properties

Physical state:	Liquid
Appearance:	Almost colorless liquid
Colour:	Clear
Odour:	Odourless
Odour threshold (ppm)	Not applicable
pH (Value)	5.5 – 7.0
Density (g/ml):	1.06-1.07
Viscosity (mPa.s):	Not available
Boiling point:	~97°C
Evaporation Rate:	Not available
Explosion properties:	Not available
Vapor pressure:	Not available
Solubility in Water:	Water – Miscible Ethanol – Miscible Acetone – Miscible
Partition coefficient: n- octanol/water:	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available

Section 10. Stability and reactivity

Chemical stability:	Stable under normal conditions.
Reactivity:	Due to the cationic character of Chlorhexidine salts, they are chemically incompatible with anionic compounds. Keep away from sulfates, borates, bicarbonates, chlorides...
Hazardous Polymerization:	None known
Incompatibilities:	Keep away from strong acids, strong bases and oxidizing agents. Chemically incompatible with anionic compounds.
Hazardous decomposition products:	Combustion or thermal decomposition will evolve toxic and irritant vapours.

Section 11. Toxicological information

Information on Toxicological Effects

Acute Toxicity:

Ingestion:

LD50 oral (rat) = 2000 mg/kg
Accidental ingestion may cause human health damage.
It is likely to result in irritation of the gastrointestinal tract.

Inhalation:

No information available. May be harmful if inhaled.

Skin Contact:

It is not expected to cause significant or prolonged irritation by skin contact.
Repeated exposure may cause dermal disturbances. It is not expected to cause systemic harmful effects after skin contact.

Eye Contact:

May cause severe damage to eyes.

Information on the likely routes of exposure:

Skin contacts:

This material showed low primary skin irritation potential to rabbit skin.
Eczema and leg ulcer patients patch tested with 1% chlorhexidine digluconate solutions developed contact dermatitis. Topical applications of solutions in patients have caused urticaria, dyspnea and anaphylactic shock.

Eye contacts:

Severe irritant to the eye. This material is considered to represent risk of serious damage to eyes.

Sensitizing:

Some allergic reactions may develop after skin contact.

Mutagenicity:

There is no evidence of mutagenic potential.

Carcinogenicity:

There is no evidence that this product represents a carcinogenic risk under normal conditions of handling and use.

Reproductive Toxicity:

No evidence of reproductive toxicity or teratogenic potential.

STOT – Single Exposure:

May cause irritation to the respiratory system.

STOT – Repeated Exposure:

None Known.

Aspiration Hazard:

None known

Section 12. Ecological information

Toxicity:

Acute toxicity (Fish) 2,08 mg/L (as pure chlorhexidine digluconate)
Acute toxicity (Daphnia magna) 0,087 mg/l (as pure chlorhexidine digluconate)
Acute toxicity (Algae) 0,081 mg/l (as pure chlorhexidine digluconate)

Persistence And

Degradability:

No data available

Bioaccumulative Potential:

No data available

Mobility In Soil:

No data available

Results of PBT and vPvB assessment:

Not classified as PBT or vPvB.

Other adverse effects:

Acutely toxic towards fish, acutely very toxic to daphnia magna and algae.

Section 13. Disposal considerations

Waste Treatment

Methods:

Additional Informations:

Bury on an authorized landfill site or incinerate under approved controlled conditions, using incinerators suitable for the disposal of noxious chemical waste.
Disposal should be in accordance with local, state or national legislation.

Section 14. Transport information

Technical Name:

Chlorhexidine Gluconate 20%
Non hazardous.

Section 15. Regulatory information

Safety, health and environmental regulations specific for the product:

No known specific national and/or regional regulations applicable to this product (including its ingredients).

Chemical Safety Assessment:

For this product a chemical safety assessment was not carried out

Product registration:

Australia Inventory (AICS): On the inventory, or in compliance with the inventory

China Inventory (IECSC): On the inventory, or in compliance with the inventory

Korea Inventory: On the inventory, or in compliance with the inventory
New Zealand Inventory of Chemicals (NZIoC): On the inventory, or in compliance with the inventory
Philippines Inventory (PICCS): On the inventory, or in compliance with the inventory
Taiwan Chemical Substance Inventory (TCSI): On the inventory, or in compliance with the inventory
United States Inventory (TSCA 8b): On the inventory, or in compliance with the inventory

Section 16. Other information

Information Source and References

This SDS is prepared by Product Regulatory Services and Hazard Communications Groups from information supplied by internal references within our company.

CDI ASIA urges each customer or recipient of this (M)SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this (M)SDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product. Due to the proliferation of sources for information such as manufacturer-specific (M)SDSs, we are not and cannot be responsible for (M)SDSs obtained from any source other than ourselves. If you have obtained an (M)SDS from another source or if you are not sure that the (M)SDS you have is current, please contact us for the most current version.

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