

## 1. Product and Company Identification

www.rxmarine.com

Product Name Chlorhexidine Gluconate  
Product Type **RXSOL-14-8979-010**

### Company Details:

RX MARINE INTERNATIONAL  
105, A wing , BSEL , TECH PARK.  
VASHI ,NEW BOMBAY 400703 INDIA

Stock Point : Mumbai, Kandla, Chennai, Visakhapatnam, Kolkata, Muscat, Fujairah

Phone +91 22 27815540 / 41 / 42  
Fax +91 22 2781 1318 ::::AOH :0091 9322594669  
Email [mail@rxmarine.com](mailto:mail@rxmarine.com)

## 2. Composition / Information on ingredients

www.rxmarine.com

CAS No. : 18472-51-0

EC No. : 242-384-0

Synonyms : Biguanide, 1,1- Hexamethyle & Digluconate (5-(p-Chlorophenyl)- Digluconate 1.6-nis (5(p-Chlorophenyl))- Digluconate

Other non-hazardous ingredients constitute less than 1%, This product does not contain any toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and

Community Right-To-Know Act of 1986 and of 40 CFR 372

## 3. Hazards Identification

www.rxmarine.com

### HEALTH HAZARD INFORMATION

Eye - Corrosive to eyes.

Skin - Primary skin irritant, could cause allergic reaction in some people.

Inhalation - Nasal discomfort, high concentrations may cause headaches.

### HAZARDOUS REACTIVITY

Instability - Stable.

Incompatibility - Solutions containing inorganic anions such as saline.

Decomposition - N/A

Polymerization - Polymerization will not occur.

## 4. First Aid Measures

www.rxmarine.com

Eyes: Immediately flush eyes with large amounts of water for at least 15 minutes while holding the eyelids open. Get prompt medical attention.

Skin: Immediately remove contaminated clothing; wash skin with large amounts of water for at least 15 minutes. Get prompt medical attention.

Inhalation: Unlikely route of exposure,

Ingestion: Give two glasses of water. Do not induce vomiting. Contact local Poison Control Center or physician immediately!

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## SECTION VII - SPILL or LEAK PROCEDURES

Procedures - Contain spill with non reactive absorbent such as vermiculite.

Waste Disposal Method - Dispose of in accordance with Local, State, and Federal Regulations.

## SECTION VIII - SPECIAL PROTECTION INFORMATION

Respiratory - N/A.

Eyewear - Safety Glasses.

Clothing/Gloves - Plastic rubber.

Ventilation - Local exhaust may be necessary under some handling/use conditions. Specific needs should be addressed by supervisory or health safety personnel.

## SECTION IX - TRANSPORTATION INFORMATION

Shipping Information:

DOT-Domestic Ground Transportation

Proper Shipping Name Non-Hazardous Material

## 5. Fire-fighting Measures

[www.rxmarine.com](http://www.rxmarine.com)

Suitable extinguishing media :

Water, Water Spray, Dry powder, Foam, Carbon dioxide

Extinguishing media which must not be used for safety reasons :

None

Special protective equipment for Firefighters:

In case of fire, wear a self contained breathing apparatus

Flash Point (Method Used): 80°F

**Unusual Fire and Explosion Hazards:** Product contains alcohol. Flames due to vapors emitted from the liquid adsorbed into these wipes might be difficult to see because they are virtually colorless.

**Extinguishing Media:** Carbon dioxide, dry chemical

## 6. Accidental Release Measures

[www.rxmarine.com](http://www.rxmarine.com)

Steps to be taken in Case Material is Released or Spilled: Absorb spilled liquid into absorbent media.

Waste Disposal Method: Any method in accordance with local, state and federal laws.

Precautions to Be Taken In Handling & Storage: Store in original shipping containers, under cover and in ambient temperatures. Do not store in direct heat or sunlight. Avoid storage in freezing temperatures. Keep closed when not in use. Do not store in extreme temperatures.

## 7. Handling and Storage

[www.rxmarine.com](http://www.rxmarine.com)

Keep out of reach of children. If swallowed, get medical help or contact a Poison Control Center right away.

Handling

Avoid ingestion, inhalation, skin and eye contact. practice and any legal requirements.

Storage

Keep container tightly closed in a dry and well-venti

## 8. Exposure controls and personal protection

[www.rxmarine.com](http://www.rxmarine.com)

**Respiratory Protection:** No special requirements. Ventilation Requirements: Normal indoor ventilation is adequate.

**Protective Gloves:** None required under normal use.

**Eye Protection:** None required under normal use. If direct contact of liquid to eye membrane is possible, safety glasses or goggles should be used.

**Other Protective Equipment:** N/A.

Engineering measures :

Ensure adequate ventilation especially in confined

Personal protection equipment:

Respiratory protection

Effective dust mask

Hand protection

Gloves

Eye Protection

Goggles

Skin and body protection

Lightweight protective clothing

Hygiene measures

Keep away from food, drink and animal feeding st  
the working.

## 9. Physical and chemical properties

[www.rxmarine.com](http://www.rxmarine.com)

Chemical Name :

Chlorhexidine Gluconate 20% Aqueous Soln

Appearance :

Liquid

Boiling Point :

~97°C

Specific Gravity :

1.06

Solubility :

Water 20 Miscible, ethanol 20 Miscible. Acetone 20 M

## 10. Stability and reactivity

[www.rxmarine.com](http://www.rxmarine.com)

**Polymerization:** None

**Hazards Decomposition Products:** Carbon monoxide, carbon dioxide Incompatibility (Materials to Avoid):

**Strong Oxidizers Conditions to Avoid:** Heat, ignition sources, fire.

Stability :

Stable

Conditions to avoid :

Exposure to sunlight

Material to avoid :

Avoid contact with chlorinating substances.

## 11. Toxicological information

[www.rxmarine.com](http://www.rxmarine.com)

Irritation/Corrosion Information for Component Primary Irritant effects Skin irritation: No irritating effect Eye irritation: Irritating effect Sensitization: No sensitizing effects known. Additional Information Carcinogenic categories: Substance is not listed in the: IARC (International Agency for Research on Cancer), NTP (National Toxicology Program), or OSHA-Ca (Occupational Safety & Health Administration)

Acute toxicity : (LD 50) 1.6 g/kg Rat (oral)  
Primary irritation : (Skin) Irritant EC 83 Rabbit  
Adverse Effects : (Eye) Irritant EC 83 Rabbit  
In Man

## 12. Ecological information

[www.rxmarine.com](http://www.rxmarine.com)

Do not allow product to reach ground water, water course or sewage system, even in small quantities. Danger to drinking water if even extremely small quantities leak into the ground. Poisonous for fish and plankton in water bodies. Very toxic for aquatic organisms.

13. Disposal considerationswww.rxmarine.com

Must be specially treated adhering to official regulations. Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Disposal must be completed according to official regulations.

Disposal

Dissolve or mix the material with a combustible solvent and burn.

In a chemical incinerator equipped with an afterburner and Scrubber Observe all federal, staff and local environmental

## 14. Transport information

[www.rxmarine.com](http://www.rxmarine.com)

Technical Name :

Chlorhexidine Gluconate 20%

Non hazardous.

## 15. Regulatory information

[www.rxmarine.com](http://www.rxmarine.com)**SARA** Title III - Section 311/312 -Hazard Categories:

No - Fire Hazard

No - Sudden Release of Pressure Hazard

No - Reactivity Hazard

No - Immediate (acute) Health Hazard

No - Delayed (chronic) Health Hazard

Regulation	Classification and labeling as per local federal, staff regulations.
Contains	Chlorhexidine Gluconate 20% Soln.

## 16. Other information

[www.rxmarine.com](http://www.rxmarine.com)

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Polymerization - Polymerization will not occur.

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Waste Disposal Method - Dispose of in accordance with Local, State, and Federal Regulations.

### SECTION VIII - SPECIAL PROTECTION INFORMATION

Respiratory - N/A.

Eyewear - Safety Glasses.

Clothing/Gloves - Plastic rubber.

Ventilation - Local exhaust may be necessary under some handling/use conditions. Specific needs should be addressed by supervisory or health safety personnel.

### SECTION IX - TRANSPORTATION INFORMATION

Shipping Information:

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Proper Shipping Name Non-Hazardous Material

## 5. Fire-fighting Measures

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Flash Point (Method Used): 80°F

**Unusual Fire and Explosion Hazards:** Product contains alcohol. Flames due to vapors emitted from the liquid adsorbed into these wipes might be difficult to see because they are virtually colorless.

**Extinguishing Media:** Carbon dioxide, dry chemical

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## 8. Exposure controls and personal protection

www.rxmarine.com

**Respiratory Protection:** No special requirements. Ventilation Requirements: Normal indoor ventilation is adequate.

**Protective Gloves:** None required under normal use.

**Eye Protection:** None required under normal use. If direct contact of liquid to eye membrane is possible, safety glasses or goggles should be used.

**Other Protective Equipment:** N/A.

## 9. Physical and chemical properties

www.rxmarine.com

Boiling Point (°F)	N/A	Specific Gravity (H <sub>2</sub> O=1)	N/A
Vapor Pressure (MM Hg)	N/A	Percent Volatile by Vol.	N/A
Vapor Density (Air=1)	N/A	pH	N/A
Solubility in Water	miscible	Evap Rate (Ether = 1)	N/A
Appearance and Odor	almost colorless to pale yellow	Form	liquid

## 10. Stability and reactivity

www.rxmarine.com

**Stability:** Stable Hazardous

**Polymerization:** None

**Hazards Decomposition Products:** Carbon monoxide, carbon dioxide Incompatibility (Materials to Avoid):

**Strong Oxidizers Conditions to Avoid:** Heat, ignition sources, fire.

## 11. Toxicological information

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## 14. Transport information

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## 15. Regulatory information

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**SARA Title III - Section 311/312 -Hazard Categories:**

No - Fire Hazard

No - Sudden Release of Pressure Hazard

No - Reactivity Hazard

No - Immediate (acute) Health Hazard

No - Delayed (chronic) Health Hazard

## 16. Other information

www.rxmarine.com

Suitable extinguishing media : Water, Water Spray, Dry powder, Foam, Carbon dioxide  
Extinguishing media which must not be used for safety reasons : None  
Special protective equipment for firefighters: In case of fire, wear a self-contained breathing apparatus

### Other Information

The information above is believed to be accurate and is made available to us. However, we make no warranty of accuracy, expressed or implied, with respect to such information, and we advise that you should make your own investigations to determine its suitability for particular purposes. In no event shall we be liable for any damages, including lost profits or any special, indirect, incidental, or consequential damages, arising, even if **Rx Marine International** has been advised of the possibility of such damages.

Chemical Name : Chlorhexidine Gluconate 20% Aqueous Solution  
Appearance : Liquid  
Boiling Point : ~97°C  
Specific Gravity : 1.06  
Solubility : Water Miscible, ethanol Miscible. Acetone Miscible.

**DISCLAIMER OF LIABILITY** :The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

### Other Information

The information above is believed to be accurate and is made available to us. However, we make no warranty of accuracy, expressed or implied, with respect to such information, and we advise that you should make your own investigations to determine its suitability for particular purposes. In no event shall we be liable for any damages, including lost profits or any special, indirect, incidental, or consequential damages, arising, even if **Rx Marine International** has been advised of the possibility of such damages.