

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

070447516

**The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).**

070441576 070850081

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

Product name : 0.12% Chlorhexidine Gluconate Oral Rinse

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

Use of the substance/mixture : Pharmaceutical Agent

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

Patterson Dental Supply, Inc  
1031 Mendota Heights Road,  
Saint Paul, MN 55120

**1.4. Emergency telephone number**

Emergency number : 1-800-361-2862

**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**Classification (GHS-US)**

Carc. 1A H350

**2.2. Label elements**

**GHS-US labeling**

Hazard pictograms (GHS-US) :



GHS08

Signal word (GHS-US) :

Danger

Hazard statements (GHS-US) :

H350 - May cause cancer

Precautionary statements (GHS-US) :

P201 - Obtain special instructions before use  
P202 - Do not handle until all safety precautions have been read and understood  
P280 - Wear protective gloves/protective clothing/eye protection/face protection  
P308 + P313 - If exposed or concerned: Get medical advice/attention  
P405 - Store locked up  
P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.

**2.3. Other hazards**

No additional information available

**2.4. Unknown acute toxicity (GHS-US)**

No data available

**SECTION 3: Composition/information on ingredients**

**3.1. Substance**

Not applicable

**3.2. Mixture**

| Name   | Product identifier  | %            | Classification (GHS-US)              |
|--|---------------------|--------------|--------------------------------------|
| Water  | (CAS No) 7732-18-5  | Trade Secret | Not classified                       |
| Ethyl alcohol  | (CAS No) 64-17-5    | Trade Secret | Flam. Liq. 2, H225<br>Carc. 1A, H350 |
| Glycerin   | (CAS No) 56-81-5    | Trade Secret | Not classified                       |
| Chlorhexidine digluconate  | (CAS No) 18472-51-0 | Trade Secret | Acute Tox. 4 (Oral), H302            |
| Sorbitan, isoocetadecanoate, poly(oxy-1,2-ethanediy) derivatives | (CAS No) 58205-96-2 | Trade Secret | Not classified                       |
| Sodium saccharin   | (CAS No) 128-44-9   | Trade Secret | Not classified                       |
| C.I. Acid Blue 9, disodium salt                                  | (CAS No) 3844-45-9  | Trade Secret | Not classified                       |

# 0.12% Chlorhexidine Gluconate Oral Rinse

## Safety Data Sheet

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- First-aid measures after inhalation : No specific first aid necessary for this route of exposure.  
First-aid measures after skin contact : Wash with soap and water. Seek medical advice if skin irritation develops or persists.  
First-aid measures after eye contact : Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists get medical attention.  
First-aid measures after ingestion : Seek medical attention.

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

- Symptoms/injuries after inhalation : None under normal use.  
Symptoms/injuries after skin contact : None under normal use.  
Symptoms/injuries after eye contact : May produce transient eye irritation.  
Symptoms/injuries after ingestion : Ingestion of large amounts may produce signs of alcohol intoxication.

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

No additional information available

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media : Use water spray, dry chemical, alcohol foam or CO<sub>2</sub>  
Unsuitable extinguishing media : None.

#### 5.2. Special hazards arising from the substance or mixture

- Fire hazard : None known.  
Explosion hazard : None known.

#### 5.3. Advice for firefighters

- Protection during firefighting : Firefighters should wear full protective gear.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

No additional information available

##### 6.1.2. For emergency responders

No additional information available

#### 6.2. Environmental precautions

Avoid release to the environment.

#### 6.3. Methods and material for containment and cleaning up

- For containment : Stop the flow of material, if this is without risk.  
Methods for cleaning up : Dilute with water. Keep away from ignition sources. Perform waste disposal in compliance with all applicable regulations. Flush down sewer with large quantities of water.

#### 6.4. Reference to other sections

No additional information available

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- Precautions for safe handling : Avoid contact with eyes. Wash thoroughly after handling.

#### 7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Handling/storage area must be well ventilated, cool and dry. Materials must be isolated from potential sources of ignition. Fire fighting equipment must be available at all times.

#### 7.3. Specific end use(s)

Pharmaceutical Agent

# 0.12% Chlorhexidine Gluconate Oral Rinse

## Safety Data Sheet

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

| Ethyl alcohol (64-17-5) |                                     |                        |
|-------------------------|-------------------------------------|------------------------|
| USA ACGIH               | ACGIH STEL (ppm)                    | 1000 ppm               |
| USA OSHA                | OSHA PEL (TWA) (mg/m <sup>3</sup> ) | 1900 mg/m <sup>3</sup> |
| USA OSHA                | OSHA PEL (TWA) (ppm)                | 1000 ppm               |

  

| Glycerin (56-81-5) |                                     |                     |
|--------------------|-------------------------------------|---------------------|
| USA OSHA           | OSHA PEL (TWA) (mg/m <sup>3</sup> ) | 5 mg/m <sup>3</sup> |

#### 8.2. Exposure controls

|                                  |   |
|----------------------------------|---|
| Appropriate engineering controls | : None required under normal product handling conditions. |
| Hand protection                  | : None required under normal product handling conditions. |
| Eye protection                   | : None required under normal product handling conditions. |
| Skin and body protection         | : Wear suitable working clothes.                          |
| Respiratory protection           | : None required under normal product handling conditions. |

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

|   |                     |
|---|---------------------|
| Physical state                              | : Liquid            |
| Color                                       | : Clear Blue        |
| Odor  | : Minty             |
| Odor threshold                              | : No data available |
| pH  | : No data available |
| Relative evaporation rate (butyl acetate=1) | : No data available |
| Melting point                               | : No data available |
| Freezing point                              | : No data available |
| Boiling point                               | : No data available |
| Flash point                                 | : > 200 °F          |
| Auto-ignition temperature                   | : No data available |
| Decomposition temperature                   | : No data available |
| Flammability (solid, gas)                   | : No data available |
| Vapor pressure                              | : 721 mm Hg         |
| Relative vapor density at 20 °C             | : No data available |
| Specific gravity                            | : 1.0               |
| Solubility                                  | : Water:            |
| Log Pow                                     | : No data available |
| Log Kow                                     | : No data available |
| Viscosity, kinematic                        | : No data available |
| Viscosity, dynamic                          | : No data available |
| Explosive properties                        | : No data available |
| Oxidizing properties                        | : No data available |
| Explosive limits                            | : No data available |

#### 9.2. Other information

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No additional information available

#### 10.2. Chemical stability

The product is stable at normal handling and storage conditions.

# 0.12% Chlorhexidine Gluconate Oral Rinse

## Safety Data Sheet

### 10.3. Possibility of hazardous reactions

Will not occur.

### 10.4. Conditions to avoid

Protect from light, avoid acidic conditions, and avoid prolonged exposure to elevated temperatures. Maintain at or below 77°F and above 32°F.

### 10.5. Incompatible materials

None.

### 10.6. Hazardous decomposition products

Not determined.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

| Ethyl alcohol (64-17-5)    |                     |
|----------------------------|---------------------|
| LC50 inhalation rat (mg/l) | 124.7 mg/l/4h       |
| ATE US (oral)              | 7060.00000000 mg/kg |

| Glycerin (56-81-5)         |  |
|----------------------------|--|
| LD50 dermal rabbit         | > 10 g/kg                                    |
| LC50 inhalation rat (mg/l) | > 570 mg/m <sup>3</sup> (Exposure time: 1 h) |
| ATE US (oral)              | 12600.00000000 mg/kg                         |

| Chlorhexidine digluconate (18472-51-0) |                    |
|--|--------------------|
| ATE US (oral)                          | 500.00000000 mg/kg |

Skin corrosion/irritation : Not classified  
 Serious eye damage/irritation : Not classified  
 Respiratory or skin sensitization : Not classified  
 Germ cell mutagenicity : Not classified  
 Carcinogenicity : May cause cancer.

| Ethyl alcohol (64-17-5) |                            |
|-------------------------|----------------------------|
| IARC group              | 1 - Carcinogenic to humans |

| Sodium saccharin (128-44-9) |                      |
|-----------------------------|----------------------|
| IARC group                  | 3 - Not classifiable |

| C.I. Acid Blue 9, disodium salt (3844-45-9) |                      |
|---|----------------------|
| IARC group                                  | 3 - Not classifiable |

Reproductive toxicity : Not classified  
 Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

## SECTION 12: Ecological information

### 12.1. Toxicity

| Ethyl alcohol (64-17-5) |  |
|-------------------------|--|
| LC50 fish 1             | 12.0 - 16.0 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static]) |
| EC50 Daphnia 1          | 9268 - 14221 mg/l (Exposure time: 48 h - Species: Daphnia magna)               |
| LC50 fish 2             | > 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])       |
| EC50 Daphnia 2          | 2 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])                 |

| Glycerin (56-81-5) |  |
|--------------------|--|
| LC50 fish 1        | 51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static]) |

# 0.12% Chlorhexidine Gluconate Oral Rinse

## Safety Data Sheet

### Sodium saccharin (128-44-9)

|             |  |
|-------------|--|
| LC50 fish 1 | 16400 - 20400 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static]) |
|-------------|--|

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

#### Ethyl alcohol (64-17-5)

|         |       |
|---------|-------|
| Log Pow | -0.32 |
|---------|-------|

#### Glycerin (56-81-5)

|            |                      |
|------------|----------------------|
| BCF fish 1 | (no bioaccumulation) |
| Log Pow    | -1.76                |

#### Sodium saccharin (128-44-9)

|         |      |
|---------|------|
| Log Pow | 0.91 |
|---------|------|

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Effect on ozone layer : No additional information available

Effect on the global warming : No known ecological damage caused by this product.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste disposal recommendations : Dispose of contents/container in accordance with local/regional/national/international regulations.

## SECTION 14: Transport information

In accordance with DOT

Not a dangerous good as defined in transport regulations

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

#### Glycerin (56-81-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

|                          |  |
|--------------------------|--|
| EPA TSCA Regulatory Flag | Y2 - Y2 - indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule. |
|--------------------------|--|

### 15.2. US State regulations

#### Ethyl alcohol (64-17-5)

| U.S. - California - Proposition 65 - Carcinogens List | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significance risk level (NSRL) |
|---|---|---|---|-----------------------------------|
| Yes   | Yes   |   |   |                                   |

#### Ethyl alcohol (64-17-5)

U.S. - Massachusetts - Right To Know List  
 U.S. - Minnesota - Hazardous Substance List  
 U.S. - New Jersey - Right to Know Hazardous Substance List  
 U.S. - Pennsylvania - RTK (Right to Know) List

#### Glycerin (56-81-5)

U.S. - Massachusetts - Right To Know List  
 U.S. - Minnesota - Hazardous Substance List  
 U.S. - New Jersey - Right to Know Hazardous Substance List  
 U.S. - Pennsylvania - RTK (Right to Know) List

# 0.12% Chlorhexidine Gluconate Oral Rinse

## Safety Data Sheet

### Sodium saccharin (128-44-9)

U.S. - Massachusetts - Right To Know List  
U.S. - Pennsylvania - RTK (Right to Know) List

### C.I. Acid Blue 9, disodium salt (3844-45-9)

U.S. - Massachusetts - Right To Know List

## SECTION 16: Other information

Full text of H-phrases:

|                     |                                   |
|---------------------|-----------------------------------|
| Acute Tox. 4 (Oral) | Acute toxicity (oral) Category 4  |
| Carc. 1A            | Carcinogenicity Category 1A       |
| Flam. Liq. 2        | Flammable liquids Category 2      |
| H225                | Highly flammable liquid and vapor |
| H302                | Harmful if swallowed              |
| H350                | May cause cancer                  |

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

Product name : 0.12% Chlorhexidine Gluconate Oral Rinse

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

Use of the substance/mixture : Pharmaceutical Agent

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

Patterson Dental Supply, Inc  
1031 Mendota Heights Road,  
Saint Paul, MN 55120

**1.4. Emergency telephone number**

Emergency number : 1-800-361-2862

**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

Classification (GHS-US)

Carc. 1A H350

**2.2. Label elements**

GHS-US labeling

Hazard pictograms (GHS-US) :



GHS08

Signal word (GHS-US) :

Danger

Hazard statements (GHS-US) :

H350 - May cause cancer

Precautionary statements (GHS-US) :

P201 - Obtain special instructions before use  
P202 - Do not handle until all safety precautions have been read and understood  
P280 - Wear protective gloves/protective clothing/eye protection/face protection  
P308 + P313 - If exposed or concerned: Get medical advice/attention  
P405 - Store locked up  
P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.

**2.3. Other hazards**

No additional information available

**2.4. Unknown acute toxicity (GHS-US)**

No data available

**SECTION 3: Composition/information on ingredients**

**3.1. Substance**

Not applicable

**3.2. Mixture**

| Name   | Product identifier  | %            | Classification (GHS-US)              |
|--|---------------------|--------------|--------------------------------------|
| Water  | {CAS No} 7732-18-5  | Trade Secret | Not classified                       |
| Ethyl alcohol  | {CAS No} 64-17-5    | Trade Secret | Flam. Liq. 2, H225<br>Carc. 1A, H350 |
| Glycerin   | {CAS No} 56-81-5    | Trade Secret | Not classified                       |
| Chlorhexidine digluconate  | {CAS No} 18472-51-0 | Trade Secret | Acute Tox. 4 (Oral), H302            |
| Sorbitan, isooctadecanoate, poly(oxy-1,2-ethanediyl) derivatives | {CAS No} 58205-96-2 | Trade Secret | Not classified                       |
| Sodium saccharin   | {CAS No} 128-44-9   | Trade Secret | Not classified                       |
| C.I. Acid Blue 9, disodium salt                                  | {CAS No} 3844-45-9  | Trade Secret | Not classified                       |

# SAFETY DATA SHEETS

**This SDS packet was issued with item:**

**070850081**

N/A

# 0.12% Chlorhexidine Gluconate Oral Rinse

## Safety Data Sheet

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- First-aid measures after inhalation : No specific first aid necessary for this route of exposure.
- First-aid measures after skin contact : Wash with soap and water. Seek medical advice if skin irritation develops or persists.
- First-aid measures after eye contact : Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists get medical attention.
- First-aid measures after ingestion : Seek medical attention.

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

- Symptoms/injuries after inhalation : None under normal use.
- Symptoms/injuries after skin contact : None under normal use.
- Symptoms/injuries after eye contact : May produce transient eye irritation.
- Symptoms/injuries after ingestion : Ingestion of large amounts may produce signs of alcohol intoxication.

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

No additional information available

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media : Use water spray, dry chemical, alcohol foam or CO<sub>2</sub>
- Unsuitable extinguishing media : None.

#### 5.2. Special hazards arising from the substance or mixture

- Fire hazard : None known.
- Explosion hazard : None known.

#### 5.3. Advice for firefighters

- Protection during firefighting : Firefighters should wear full protective gear.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

No additional information available

##### 6.1.2. For emergency responders

No additional information available

#### 6.2. Environmental precautions

Avoid release to the environment.

#### 6.3. Methods and material for containment and cleaning up

- For containment : Stop the flow of material, if this is without risk.
- Methods for cleaning up : Dilute with water. Keep away from ignition sources. Perform waste disposal in compliance with all applicable regulations. Flush down sewer with large quantities of water.

#### 6.4. Reference to other sections

No additional information available

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- Precautions for safe handling : Avoid contact with eyes. Wash thoroughly after handling.

#### 7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Handling/storage area must be well ventilated, cool and dry. Materials must be isolated from potential sources of ignition. Fire fighting equipment must be available at all times.

#### 7.3. Specific end use(s)

Pharmaceutical Agent

# 0.12% Chlorhexidine Gluconate Oral Rinse

## Safety Data Sheet

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

| Ethyl alcohol (64-17-5) |                                     |                        |
|-------------------------|-------------------------------------|------------------------|
| USA ACGIH               | ACGIH STEL (ppm)                    | 1000 ppm               |
| USA OSHA                | OSHA PEL (TWA) (mg/m <sup>3</sup> ) | 1900 mg/m <sup>3</sup> |
| USA OSHA                | OSHA PEL (TWA) (ppm)                | 1000 ppm               |

  

| Glycerin (56-81-5) |                                     |                     |
|--------------------|-------------------------------------|---------------------|
| USA OSHA           | OSHA PEL (TWA) (mg/m <sup>3</sup> ) | 5 mg/m <sup>3</sup> |

#### 8.2. Exposure controls

|                                  |   |
|----------------------------------|---|
| Appropriate engineering controls | : None required under normal product handling conditions. |
| Hand protection                  | : None required under normal product handling conditions. |
| Eye protection                   | : None required under normal product handling conditions. |
| Skin and body protection         | : Wear suitable working clothes.                          |
| Respiratory protection           | : None required under normal product handling conditions. |

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

|   |                     |
|---|---------------------|
| Physical state                              | : Liquid            |
| Color                                       | : Clear Blue        |
| Odor  | : Minty             |
| Odor threshold                              | : No data available |
| pH  | : No data available |
| Relative evaporation rate (butyl acetate=1) | : No data available |
| Melting point                               | : No data available |
| Freezing point                              | : No data available |
| Boiling point                               | : No data available |
| Flash point                                 | : > 200 °F          |
| Auto-ignition temperature                   | : No data available |
| Decomposition temperature                   | : No data available |
| Flammability (solid, gas)                   | : No data available |
| Vapor pressure                              | : 721 mm Hg         |
| Relative vapor density at 20 °C             | : No data available |
| Specific gravity                            | : 1.0               |
| Solubility                                  | : Water:            |
| Log Pow                                     | : No data available |
| Log Kow                                     | : No data available |
| Viscosity, kinematic                        | : No data available |
| Viscosity, dynamic                          | : No data available |
| Explosive properties                        | : No data available |
| Oxidizing properties                        | : No data available |
| Explosive limits                            | : No data available |

#### 9.2. Other information

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No additional information available

#### 10.2. Chemical stability

The product is stable at normal handling and storage conditions.

# 0.12% Chlorhexidine Gluconate Oral Rinse

## Safety Data Sheet

### 10.3. Possibility of hazardous reactions

Will not occur.

### 10.4. Conditions to avoid

Protect from light, avoid acidic conditions, and avoid prolonged exposure to elevated temperatures. Maintain at or below 77°F and above 32°F

### 10.5. Incompatible materials

None.

### 10.6. Hazardous decomposition products

Not determined.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

| Ethyl alcohol (64-17-5)    |                     |
|----------------------------|---------------------|
| LC50 inhalation rat (mg/l) | 124.7 mg/l/4h       |
| ATE US (oral)              | 7060.00000000 mg/kg |

| Glycerin (56-81-5)         |  |
|----------------------------|--|
| LD50 dermal rabbit         | > 10 g/kg                                    |
| LC50 inhalation rat (mg/l) | > 570 mg/m <sup>3</sup> (Exposure time: 1 h) |
| ATE US (oral)              | 12600.00000000 mg/kg                         |

| Chlorhexidine digluconate (18472-51-0) |                    |
|--|--------------------|
| ATE US (oral)                          | 500.00000000 mg/kg |

Skin corrosion/irritation : Not classified  
 Serious eye damage/irritation : Not classified  
 Respiratory or skin sensitization : Not classified  
 Germ cell mutagenicity : Not classified  
 Carcinogenicity : May cause cancer.

| Ethyl alcohol (64-17-5) |                            |
|-------------------------|----------------------------|
| IARC group              | 1 - Carcinogenic to humans |

| Sodium saccharin (128-44-9) |                      |
|-----------------------------|----------------------|
| IARC group                  | 3 - Not classifiable |

| C.I. Acid Blue 9, disodium salt (3844-45-9) |                      |
|---|----------------------|
| IARC group                                  | 3 - Not classifiable |

Reproductive toxicity : Not classified  
 Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

## SECTION 12: Ecological information

### 12.1. Toxicity

| Ethyl alcohol (64-17-5) |  |
|-------------------------|--|
| LC50 fish 1             | 12.0 - 16.0 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static]) |
| EC50 Daphnia 1          | 9268 - 14221 mg/l (Exposure time: 48 h - Species: Daphnia magna)               |
| LC50 fish 2             | > 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])       |
| EC50 Daphnia 2          | 2 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])                 |

| Glycerin (56-81-5) |  |
|--------------------|--|
| LC50 fish 1        | 51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static]) |

# 0.12% Chlorhexidine Gluconate Oral Rinse

## Safety Data Sheet

| Sodium saccharin (128-44-9) |  |
|-----------------------------|--|
| LC50 fish 1                 | 16400 - 20400 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static]) |

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

| Ethyl alcohol (64-17-5) |       |
|-------------------------|-------|
| Log Pow                 | -0.32 |

| Glycerin (56-81-5) |                      |
|--------------------|----------------------|
| BCF fish 1         | (no bioaccumulation) |
| Log Pow            | -1.76                |

| Sodium saccharin (128-44-9) |      |
|-----------------------------|------|
| Log Pow                     | 0.91 |

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Effect on ozone layer : No additional information available

Effect on the global warming : No known ecological damage caused by this product.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste disposal recommendations : Dispose of contents/container in accordance with local/regional/national/international regulations.

## SECTION 14: Transport information

In accordance with DOT

Not a dangerous good as defined in transport regulations

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

| Glycerin (56-81-5)  |  |
|---|--|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |  |
| EPA TSCA Regulatory Flag  | Y2 - Y2 - indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule. |

### 15.2. US State regulations

| Ethyl alcohol (64-17-5)                               |   |   |   |                                   |
|---|---|---|---|-----------------------------------|
| U.S. - California - Proposition 65 - Carcinogens List | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significance risk level (NSRL) |
| Yes   | Yes   |   |   |                                   |

| Ethyl alcohol (64-17-5)                                    |
|--|
| U.S. - Massachusetts - Right To Know List                  |
| U.S. - Minnesota - Hazardous Substance List                |
| U.S. - New Jersey - Right to Know Hazardous Substance List |
| U.S. - Pennsylvania - RTK (Right to Know) List             |

| Glycerin (56-81-5)   |
|--|
| U.S. - Massachusetts - Right To Know List                  |
| U.S. - Minnesota - Hazardous Substance List                |
| U.S. - New Jersey - Right to Know Hazardous Substance List |
| U.S. - Pennsylvania - RTK (Right to Know) List             |

# 0.12% Chlorhexidine Gluconate Oral Rinse

## Safety Data Sheet

### Sodium saccharin (128-44-9)

U.S. - Massachusetts - Right To Know List  
U.S. - Pennsylvania - RTK (Right to Know) List

### C.I. Acid Blue 9, disodium salt (3844-45-9)

U.S. - Massachusetts - Right To Know List

## SECTION 16: Other information

Full text of H-phrases:

|                     |                                   |
|---------------------|-----------------------------------|
| Acute Tox. 4 (Oral) | Acute toxicity (oral) Category 4  |
| Carc. 1A            | Carcinogenicity Category 1A       |
| Flam. Liq. 2        | Flammable liquids Category 2      |
| H225                | Highly flammable liquid and vapor |
| H302                | Harmful if swallowed              |
| H350                | May cause cancer                  |

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*



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### 0.12% Chlorhexidine Gluconate Oral Rinse

#### SECTION 1: Identification

##### Product identifier

**Product name:** 0.12% Chlorhexidine Gluconate Oral Rinse

**Product code:** 070850081, 070447516

##### Recommended use of the product and restriction on use

**Relevant identified uses:** Pharmaceutical Agent

**Uses advised against:** Not determined or not applicable.

**Reasons why uses advised against:** Not determined or not applicable.

##### Manufacturer or supplier details

###### Manufacturer:

###### Supplier

Patterson Companies, Inc.

1031 Mendota Heights Road

St. Paul, MN 55120

1-800-328-5536 Fax:1-651-686-9331

##### Emergency telephone number:

###### United States

###### CHEMTREC

Within USA and Canada: 1-800-424-9300 (CHEMTREC, 24 hours)

Outside USA and Canada: +1-703-527-3887 (CHEMTREC, 24 hours)

#### SECTION 2: Hazard(s) identification

**GHS classification:** Not a hazardous substance or mixture

##### Label elements

**Hazard pictograms:** None

**Signal word:** None

**Hazard statements:** None

**Precautionary statements:** None

**Hazards not otherwise classified:** None

#### SECTION 3: Composition/information on ingredients

| Identification           | Name    | Weight % |
|--------------------------|---------|----------|
| CAS number:<br>64-17-5   | Ethanol | <100     |
| CAS number:<br>7732-18-5 | Water   | <100     |

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## 0.12% Chlorhexidine Gluconate Oral Rinse

|                           |  |      |
|---------------------------|--|------|
| CAS number:<br>56-81-5    | Glycerol   | <100 |
| CAS number:<br>18472-51-0 | D-gluconic acid, compound with N,N''-bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetradecanediamidine (2:1) | <100 |
| CAS number:<br>58205-96-2 | Sorbitan, isooctadecanoate, poly(oxy-1,2-ethanediyl) derivs.   | <100 |
| CAS number:<br>128-44-9   | 1,2-benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt  | <100 |
| CAS number:<br>3844-45-9  | Brilliant blue   | <100 |

### Additional Information:

The percentages are being withheld as a trade secret.

## SECTION 4: First aid measures

### Description of first aid measures

#### General notes:

Not determined or not applicable.

#### After inhalation:

Loosen clothing as necessary and position individual in a comfortable position

Maintain an unobstructed airway

Get medical advice/attention if you feel unwell

#### After skin contact:

Rinse affected area with soap and water

If symptoms develop or persist, seek medical attention

#### After eye contact:

Rinse/flush exposed eye(s) gently using water for 15-20 minutes

If symptoms develop or persist, seek medical attention

#### After swallowing:

Rinse mouth thoroughly

Seek medical attention if irritation, discomfort, or vomiting persists

### Most important symptoms and effects, both acute and delayed

#### Acute symptoms and effects:

Not determined or not applicable.

#### Delayed symptoms and effects:

Not determined or not applicable.

### Immediate medical attention and special treatment

#### Specific treatment:

Not determined or not applicable.

#### Notes for the doctor:

Not determined or not applicable.

## SECTION 5: Firefighting measures

### Extinguishing media

#### Suitable extinguishing media:

Use appropriate fire suppression agents for adjacent combustible materials or sources of ignition

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## 0.12% Chlorhexidine Gluconate Oral Rinse

### Unsuitable extinguishing media:

Not determined or not applicable.

### Specific hazards during fire-fighting:

Thermal decomposition can lead to release of irritating gases and vapors

### Special protective equipment for firefighters:

Use typical firefighting equipment, self-contained breathing apparatus, special tightly sealed suit

### Special precautions:

Not determined or not applicable.

## SECTION 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation  
Ensure air handling systems are operational  
Wear protective eye wear, gloves and clothing

### Environmental precautions:

Should not be released into the environment  
Prevent from reaching drains, sewer or waterway

### Methods and material for containment and cleaning up:

Wear protective eye wear, gloves and clothing  
Absorb with non-combustible liquid-binding material (sand, diatomaceous earth (clay), acid binders, universal binders)  
Dispose of contents / container in accordance with local regulations

### Reference to other sections:

Not determined or not applicable.

## SECTION 7: Handling and storage

### Precautions for safe handling:

Use only with adequate ventilation.  
Avoid breathing mist or vapor.  
Do not eat, drink, smoke or use personal products when handling chemical substances.

### Conditions for safe storage, including any incompatibilities:

Keep container tightly sealed.  
Protect from freezing and physical damage.  
Store in a cool, well-ventilated area.

## SECTION 8: Exposure controls/personal protection

Only those substances with limit values have been included below.

### Occupational Exposure limit values:

| Country (Legal Basis) | Substance | Identifier | Permissible concentration                          |
|-----------------------|-----------|------------|--|
| ACGIH                 | Ethanol   | 64-17-5    | ACGIH TLV TWA 1,000 ppm                            |
|                       | Ethanol   | 64-17-5    | ACGIH TLV STEL 1,000 ppm                           |
|                       | Glycerol  | 56-81-5    | ACGIH TWA 10. mg/m <sup>3</sup>                    |
| United States (OSHA)  | Ethanol   | 64-17-5    | OSHA PEL TWA 1,000 ppm                             |
|                       | Ethanol   | 64-17-5    | OSHA PEL TWA 1,900 mg/m <sup>3</sup>               |
|                       | Glycerol  | 56-81-5    | OSHA PEL TWA value 15 mg/m <sup>3</sup> total dust |

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## 0.12% Chlorhexidine Gluconate Oral Rinse

| Country (Legal Basis) | Substance | Identifier | Permissible concentration                                   |
|-----------------------|-----------|------------|---|
|                       | Glycerol  | 56-81-5    | OSHA PEL TWA value 15 mg/m <sup>3</sup> respirable fraction |
| NIOSH                 | Ethanol   | 64-17-5    | NIOSH REL TWA 1,000 ppm                                     |
|                       | Ethanol   | 64-17-5    | NIOSH REL TWA 1,900 mg/m <sup>3</sup>                       |

### Biological limit values:

No biological exposure limits noted for the ingredient(s).

### Information on monitoring procedures:

Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls.

Biological monitoring may also be appropriate for some substances.

### Appropriate engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above.

### Personal protection equipment

#### Eye and face protection:

Safety goggles or glasses, or appropriate eye protection.

#### Skin and body protection:

Select glove material impermeable and resistant to the substance.

Wear appropriate clothing to prevent any possibility of skin contact.

#### Respiratory protection:

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

### General hygienic measures:

Avoid contact with skin, eyes and clothing.

Wash hands before breaks and at the end of work.

Wash contaminated clothing before reuse.

## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

|                                    |                                  |
|------------------------------------|----------------------------------|
| Appearance                         | Liquid                           |
| Odor                               | Not determined or not available. |
| Odor threshold                     | Not determined or not available. |
| pH                                 | Not determined or not available. |
| Melting point/freezing point       | Not determined or not available. |
| Initial boiling point/range        | Not determined or not available. |
| Flash point (closed cup)           | > 200                            |
| Evaporation rate                   | Not determined or not available. |
| Flammability (solid, gas)          | Not determined or not available. |
| Upper flammability/explosive limit | Not determined or not available. |
| Lower flammability/explosive limit | Not determined or not available. |
| Vapor pressure                     | Not determined or not available. |

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## 0.12% Chlorhexidine Gluconate Oral Rinse

|  |                                  |
|--|----------------------------------|
| <b>Vapor density</b>                           | Not determined or not available. |
| <b>Density</b>                                 | Not determined or not available. |
| <b>Relative density</b>                        | Not determined or not available. |
| <b>Solubilities</b>                            | Not determined or not available. |
| <b>Partition coefficient (n-octanol/water)</b> | Not determined or not available. |
| <b>Auto/Self-ignition temperature</b>          | Not determined or not available. |
| <b>Decomposition temperature</b>               | Not determined or not available. |
| <b>Dynamic viscosity</b>                       | Not determined or not available. |
| <b>Kinematic viscosity</b>                     | Not determined or not available. |
| <b>Explosive properties</b>                    | Not determined or not available. |
| <b>Oxidizing properties</b>                    | Not determined or not available. |

### Other information

#### SECTION 10: Stability and reactivity

##### Reactivity:

Does not react under normal conditions of use and storage.

##### Chemical stability:

Stable under normal conditions of use and storage.

##### Possibility of hazardous reactions:

None under normal conditions of use and storage.

##### Conditions to avoid:

None known.

##### Incompatible materials:

None known.

##### Hazardous decomposition products:

None known.

#### SECTION 11: Toxicological information

##### Acute toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

##### Substance data:

| Name   | Route  | Result                  |
|--|--------|-------------------------|
| D-gluconic acid, compound with N,N''-bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetradecanediamidine (2:1) | oral   | LD50 -Rat - 2000 mg/kg  |
|  | dermal | LD50 - Rat - 3320 mg/kg |

##### Skin corrosion/irritation

**Assessment:** Based on available data, the classification criteria are not met.

##### Product data:

No data available.

**Substance data:** No data available.

##### Serious eye damage/irritation

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## 0.12% Chlorhexidine Gluconate Oral Rinse

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:**

| Name   | Result                         |
|--|--------------------------------|
| Ethanol  | Causes serious eye irritation. |
| D-gluconic acid, compound with N,N''-bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetradecanediamidine (2:1) | Causes serious eye damage.     |

### Respiratory or skin sensitization

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:** No data available.

### Carcinogenicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

### International Agency for Research on Cancer (IARC):

| Name    | Classification                   |
|---------|----------------------------------|
| Ethanol | Group 1 - Carcinogenic to humans |

**National Toxicology Program (NTP):** None of the ingredients are listed.

### Germ cell mutagenicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:** No data available.

### Reproductive toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:**

| Name    | Result  |
|---------|---|
| Ethanol | Reproductive toxicity - Human female - Oral (Effects on Newborn: Apgar score (human only) , other neonaal measures or effects and drug dependence.) |

### Specific target organ toxicity (single exposure)

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:** No data available.

### Specific target organ toxicity (repeated exposure)

**Assessment:** Based on available data, the classification criteria are not met.

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### Product data:

No data available.

**Substance data:** No data available.

### Aspiration toxicity

**Assessment:** Based on available data, the classification criteria are not met.

### Product data:

No data available.

**Substance data:** No data available.

### Information on likely routes of exposure:

No data available.

### Symptoms related to the physical, chemical and toxicological characteristics:

No data available.

### Other information:

No data available.

## SECTION 12: Ecological information

### Acute (short-term) toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

### Substance data:

| Name    | Result  |
|---------|---|
| Ethanol | LC50 - Pimephales promelas (fathead minnow) - 14, 200 mg/l - 96 h                         |
|         | LC50 - Ceriodaphnia dubia (water flea) - 5, 012 mg/l - 48 h                               |
|         | NOEC - Daphnia magna (water flea) - 9.6 mg/l - 9 d  |
|         | EC50 - Chlorella vulgaris (fresh water algae) - 275 mg/l - 72 h (OECD Test Guideline 201) |

### Chronic (long-term) toxicity

**Product data:** No data available.

**Substance data:** No data available.

### Persistence and degradability

**Product data:** No data available.

### Substance data:

| Name    | Result                               |
|---------|--------------------------------------|
| Ethanol | Result: 95 % - Readily biodegradable |

### Bioaccumulative potential

**Product data:** No data available.

### Substance data:

| Name    | Result  |
|---------|---|
| Ethanol | Due to the distribution coefficient n-octanol/water, accumulation in organisms is not expected. |

### Mobility in soil

**Product data:** No data available.

**Substance data:** No data available.

**Other adverse effects:** No data available.

## SECTION 13: Disposal considerations

### Disposal methods:

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It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities

### SECTION 14: Transport information

#### United States Transportation of dangerous goods (49 CFR DOT)

|                               |               |
|-------------------------------|---------------|
| UN number                     | Not regulated |
| UN proper shipping name       | Not regulated |
| UN transport hazard class(es) | None          |
| Packing group                 | None          |
| Environmental hazards         | None          |
| Special precautions for user  | None          |

#### International Maritime Dangerous Goods (IMDG)

|                               |               |
|-------------------------------|---------------|
| UN number                     | Not regulated |
| UN proper shipping name       | Not regulated |
| UN transport hazard class(es) | None          |
| Packing group                 | None          |
| Environmental hazards         | None          |
| Special precautions for user  | None          |

#### International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

|                               |               |
|-------------------------------|---------------|
| UN number                     | Not regulated |
| UN proper shipping name       | Not regulated |
| UN transport hazard class(es) | None          |
| Packing group                 | None          |
| Environmental hazards         | None          |
| Special precautions for user  | None          |

### SECTION 15: Regulatory information

#### United States regulations

##### Inventory listing (TSCA):

|            |  |        |
|------------|--|--------|
| 7732-18-5  | Water  | Listed |
| 64-17-5    | Ethanol  | Listed |
| 56-81-5    | Glycerol   | Listed |
| 18472-51-0 | D-gluconic acid, compound with N,N''-bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetradecanediamidine (2:1) | Listed |
| 58205-96-2 | Sorbitan, isoctadecanoate, poly(oxy-1,2-ethanediyl) derivs.  | Listed |
| 128-44-9   | 1,2-benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt  | Listed |
| 3844-45-9  | Brilliant blue   | Listed |

**Significant New Use Rule (TSCA Section 5):** Not determined.

**Export notification under TSCA Section 12(b):** Not determined.

**SARA Section 302 extremely hazardous substances:** Not determined.

##### SARA Section 313 toxic chemicals:

|           |       |            |
|-----------|-------|------------|
| 7732-18-5 | Water | Not Listed |
|-----------|-------|------------|

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|            |  |            |
|------------|--|------------|
| 64-17-5    | Ethanol  | Not Listed |
| 18472-51-0 | D-gluconic acid, compound with N,N''-bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetradecanediamidine (2:1) | Not Listed |

**CERCLA:** Not determined.

**RCRA:** Not determined.

**Section 112(r) of the Clean Air Act (CAA):** Not determined.

### Massachusetts Right to Know:

|            |  |            |
|------------|--|------------|
| 7732-18-5  | Water  | Not Listed |
| 64-17-5    | Ethanol  | Listed     |
| 18472-51-0 | D-gluconic acid, compound with N,N''-bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetradecanediamidine (2:1) | Not Listed |
| 58205-96-2 | Sorbitan, isooctadecanoate, poly(oxy-1,2-ethanediyl) derivs.   | Not Listed |
| 128-44-9   | 1,2-benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt  | Listed     |

### New Jersey Right to Know:

|            |  |            |
|------------|--|------------|
| 7732-18-5  | Water  | Not Listed |
| 64-17-5    | Ethanol  | Listed     |
| 18472-51-0 | D-gluconic acid, compound with N,N''-bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetradecanediamidine (2:1) | Not Listed |
| 58205-96-2 | Sorbitan, isooctadecanoate, poly(oxy-1,2-ethanediyl) derivs.   | Not Listed |
| 128-44-9   | 1,2-benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt  | Not Listed |

### New York Right to Know:

|            |  |            |
|------------|--|------------|
| 7732-18-5  | Water  | Not Listed |
| 64-17-5    | Ethanol  | Listed     |
| 18472-51-0 | D-gluconic acid, compound with N,N''-bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetradecanediamidine (2:1) | Not Listed |
| 58205-96-2 | Sorbitan, isooctadecanoate, poly(oxy-1,2-ethanediyl) derivs.   | Not Listed |
| 128-44-9   | 1,2-benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt  | Not Listed |

### Pennsylvania Right to Know:

|            |  |            |
|------------|--|------------|
| 7732-18-5  | Water  | Not Listed |
| 64-17-5    | Ethanol  | Listed     |
| 18472-51-0 | D-gluconic acid, compound with N,N''-bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetradecanediamidine (2:1) | Not Listed |
| 58205-96-2 | Sorbitan, isooctadecanoate, poly(oxy-1,2-ethanediyl) derivs.   | Not Listed |
| 128-44-9   | 1,2-benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt  | Listed     |

**California Proposition 65:** None of the ingredients are listed.

## SECTION 16: Other information

**Abbreviations and Acronyms:** None

### Disclaimer:

This product has been classified in accordance with OSHA HCS 2012 guidelines. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

**Initial preparation date:** 12.05.2017

**End of Safety Data Sheet**