

## SAFETY DATA SHEETS

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

078475554

N/A

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Product name : Chlorhexidine Scrub 4%

#### 1.2. Recommended use and restrictions on use

Use of the substance/mixture : Antimicrobial

#### 1.3. Supplier

First Priority, Inc.  
1590 Todd Farm Drive  
Elgin, IL 60123-1287  
Telephone: 800-650-4899  
www.prioritycare.com

#### 1.4. Emergency telephone number

Emergency number : 800-424-9300 (Chemtrec U.S. - 24 Hrs)

### SECTION 2: Hazard(s) identification

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

##### GHS-US classification

Skin corrosion/irritation, Category 2	H315	Causes skin irritation.
Serious eye damage/eye irritation, Category 1	H318	Causes serious eye damage.
Full text of H-statements: see section 16		

#### 2.2. GHS Label elements, including precautionary statements

##### GHS US labelling

Hazard pictograms (GHS-US) :



Signal word (GHS US) :

Danger

Hazard statements (GHS US) :

H315 - Causes skin irritation.  
H318 - Causes serious eye damage.

Precautionary statements (GHS-US) :

P264 - Wash hands, forearms and face thoroughly after handling.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P302+P352 - If on skin: Wash with plenty of water.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 - Immediately call a poison center or doctor.  
P332+P313 - If skin irritation occurs: Get medical advice/attention.  
P362+P364 - Take off contaminated clothing and wash it before reuse.

#### 2.3. Other hazards which do not result in classification

No additional information available

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### 2.4. Unknown acute toxicity (GHS US)

Not applicable

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	GHS-US classification
Water	CAS-No.: 7732-18-5	55 – 65*	Not classified
1-Dodecanamine, N,N-dimethyl-, N-oxide	CAS-No.: 1643-20-5	10 – 20*	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318
Chlorhexidine digluconate	CAS-No.: 18472-51-0	4 – 6*	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318
Isopropyl alcohol	CAS-No.: 67-63-0	3 – 4*	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336
Alcohols, C9-11, ethoxylated	CAS-No.: 68439-46-3	1 – 5*	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318

\*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

Full text of hazard classes and H-statements : see section 16

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
First-aid measures after ingestion	: Call a poison center or a doctor. If professional advice is not available, do not induce vomiting.

### 4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after skin contact	: Irritation.
Symptoms/effects after eye contact	: Serious damage to eyes.

### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

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### 5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire : Toxic fumes may be released.

### 5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8 Exposure controls/personal protection.

### 6.2. Environmental precautions

Avoid release to the environment. Prevent product from entering drains.

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

Methods for cleaning up : Clean up liquid spill with absorbent material. Keep spill out of all sewers and open bodies of water.

Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 8 : Exposure-controls/personal protection.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.

Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

Storage conditions : Store in a well-ventilated place. Keep cool.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Chlorhexidine Scrub 4%

No additional information available

#### 1-Dodecanamine, N,N-dimethyl-, N-oxide (1643-20-5)

No additional information available

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<b>Chlorhexidine digluconate (18472-51-0)</b>	
No additional information available	
<b>Alcohols, C9-11, ethoxylated (68439-46-3)</b>	
No additional information available	
<b>Isopropyl alcohol (67-63-0)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH OEL TWA [ppm]	200 ppm
ACGIH OEL STEL [ppm]	400 ppm
<b>USA - ACGIH - Biological Exposure Indices</b>	
BEI	40 mg/l (Medium: urine - Time: end of shift at end of workweek - Parameter: Acetone (background, nonspecific))
<b>USA - OSHA - Occupational Exposure Limits</b>	
OSHA PEL TWA [1]	980 mg/m <sup>3</sup>
OSHA PEL TWA [2]	400 ppm
<b>USA - IDLH - Occupational Exposure Limits</b>	
IDLH [ppm]	2000 ppm (10% LEL)
<b>USA - NIOSH - Occupational Exposure Limits</b>	
NIOSH REL TWA	980 mg/m <sup>3</sup>
NIOSH REL TWA [ppm]	400 ppm
NIOSH REL STEL	1225 mg/m <sup>3</sup>
NIOSH REL STEL [ppm]	500 ppm

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.  
Environmental exposure controls : Avoid release to the environment.

### 8.3. Individual protection measures/Personal protective equipment

<b>Hand protection:</b>
Protective gloves
<b>Eye protection:</b>
Safety glasses
<b>Skin and body protection:</b>
Wear suitable protective clothing
<b>Respiratory protection:</b>
If concentrations exceed exposure limits, use NIOSH approved respirator.

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### SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Appearance	: Clear pinkish red liquid.
Color	: Pinkish red
Odor	: Pleasant
Odor threshold	: No data available
pH	: 5.0 – 6.5
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 200 °F
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: Non flammable.
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: 1.01
Density	: 8.4 lb/gal
Solubility	: Soluble.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive limits	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available

#### 9.2. Other information

VOC content	: 24 – 36 g/l
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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

This product is not reactive under normal conditions of use, storage, and transport.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

No additional information available

#### 10.5. Incompatible materials

Strong oxidizing agents

#### 10.6. Hazardous decomposition products

Thermal decomposition products include oxides of carbon and nitrogen.

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### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

#### 1-Dodecanamine, N,N-dimethyl-, N-oxide (1643-20-5)

ATE US (oral)	500 mg/kg bodyweight
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#### Chlorhexidine digluconate (18472-51-0)

LD50 oral rat	2 g/kg
LD50 dermal rabbit	> 5000 mg/kg
ATE US (oral)	2000 mg/kg bodyweight

#### Alcohols, C9-11, ethoxylated (68439-46-3)

LD50 oral rat	1400 mg/kg
ATE US (oral)	1400 mg/kg bodyweight

#### Isopropyl alcohol (67-63-0)

LD50 oral rat	4396 mg/kg
LD50 dermal rabbit	12800 mg/kg
LC50 Inhalation - Rat [ppm]	16000 ppm (Exposure time: 8 h)
ATE US (oral)	4396 mg/kg bodyweight
ATE US (dermal)	12800 mg/kg bodyweight
ATE US (gases)	16000 ppmv/4h

Skin corrosion/irritation : Causes skin irritation.  
pH: 5 – 6.5

Serious eye damage/irritation : Causes serious eye damage.  
pH: 5 – 6.5

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

#### Isopropyl alcohol (67-63-0)

IARC group	3 - Not Classifiable
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Reproductive toxicity : Not classified

STOT-single exposure : Not classified

#### Isopropyl alcohol (67-63-0)

STOT-single exposure	May cause drowsiness or dizziness.
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STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

Viscosity, kinematic : No data available

Symptoms/effects after skin contact : Irritation.

Symptoms/effects after eye contact : Serious damage to eyes.

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### SECTION 12: Ecological information

#### 12.1. Toxicity

##### 1-Dodecanamine, N,N-dimethyl-, N-oxide (1643-20-5)

LC50 - Fish [1]	134 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static])
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##### Isopropyl alcohol (67-63-0)

LC50 - Fish [1]	9640 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 - Crustacea [1]	13299 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 - Other aquatic organisms [1]	> 1000 mg/l (Exposure time: 96 h - Species: Desmodesmus subspicatus)
LC50 - Fish [2]	11130 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 - Other aquatic organisms [2]	> 1000 mg/l (Exposure time: 72 h - Species: Desmodesmus subspicatus)

#### 12.2. Persistence and degradability

##### Isopropyl alcohol (67-63-0)

Persistence and degradability	Not established.
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#### 12.3. Bioaccumulative potential

##### Chlorhexidine digluconate (18472-51-0)

Partition coefficient n-octanol/water (Log Pow)	-1.81 (at 20.7 °C (at pH 5.3-6.6))
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##### Isopropyl alcohol (67-63-0)

Partition coefficient n-octanol/water (Log Pow)	0.05 (at 25 °C)
Bioaccumulative potential	Not established.

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

No additional information available

### SECTION 13: Disposal considerations

#### 13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with local, state, and federal regulations.

### SECTION 14: Transport information

#### 14.1. UN number

No additional information available

#### 14.2. UN proper shipping name

Proper Shipping Name (DOT) : No additional information available  
Proper Shipping Name (TDG) : No additional information available  
Proper Shipping Name (IMDG) : No additional information available



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Proper Shipping Name (IATA) : No additional information available

### 14.3. Transport hazard class(es)

#### DOT

Transport hazard class(es) (DOT) : No additional information available

#### TDG

Transport hazard class(es) (TDG) : No additional information available

#### IMDG

Transport hazard class(es) (IMDG) : No additional information available

#### IATA

Transport hazard class(es) (IATA) : No additional information available

### 14.4. Packing group

Packing group (DOT) : No additional information available

Packing group (TDG) : No additional information available

Packing group (IMDG) : No additional information available

Packing group (IATA) : No additional information available

### 14.5. Environmental hazards

Other information : No additional information available

### 14.6. Special precautions for user

#### DOT

No additional information available

#### TDG

No additional information available

#### IMDG

No additional information available

#### IATA

No additional information available

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No additional information available

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

#### Chlorhexidine Scrub 4%

SARA Section 311/312 Hazard Classes	Serious eye damage or eye irritation Skin corrosion or Irritation
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Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

Name	CAS-No.	Listing	Commercial status	Flags
1-Dodecanamine, N,N-dimethyl-, N-oxide	1643-20-5	Present	Active	

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Name	CAS-No.	Listing	Commercial status	Flags
Chlorhexidine digluconate	18472-51-0	Present	Active	
Alcohols, C9-11, ethoxylated	68439-46-3	Present	Active	
Isopropyl alcohol	67-63-0	Present	Active	T

### Isopropyl alcohol (67-63-0)

Listed on SARA Section 313 (Specific toxic chemical listings)

SARA Section 311/312 Hazard Classes

Fire hazard  
Immediate (acute) health hazard  
Delayed (chronic) health hazard

## 15.2. International regulations

### CANADA

#### 1-Dodecanamine, N,N-dimethyl-, N-oxide (1643-20-5)

Listed on the Canadian DSL (Domestic Substances List) inventory.

#### Chlorhexidine digluconate (18472-51-0)

Listed on the Canadian DSL (Domestic Substances List) inventory.

#### Alcohols, C9-11, ethoxylated (68439-46-3)

Listed on the Canadian DSL (Domestic Substances List) inventory.

#### Isopropyl alcohol (67-63-0)

Listed on the Canadian DSL (Domestic Substances List) inventory.

### EU-Regulations

#### 1-Dodecanamine, N,N-dimethyl-, N-oxide (1643-20-5)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances.

#### Chlorhexidine digluconate (18472-51-0)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances.

#### Isopropyl alcohol (67-63-0)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances.

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### National regulations

#### 1-Dodecanamine, N,N-dimethyl-, N-oxide (1643-20-5)

Listed on the AICS (the Australian Inventory of Chemical Substances)  
Listed on Inventory of Existing Chemical Substances (IECSC)  
Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory.  
Listed on Industrial Safety and Health Law Substances (ISHL)  
Listed on the Korean ECL (Existing Chemical List) inventory.  
Listed on New Zealand - Inventory of Chemicals (NZIoC)  
Listed on Inventory of Chemicals and Chemical Substances (PICCS)  
Pollutant Release and Transfer Register Law (PRTR Law)  
Taiwan Chemical Substance Inventory

#### Chlorhexidine digluconate (18472-51-0)

Listed on the AICS (the Australian Inventory of Chemical Substances)  
Listed on the Korean ECL (Existing Chemical List) inventory.  
Listed on Inventory of Existing Chemical Substances (IECSC)  
Listed on New Zealand - Inventory of Chemicals (NZIoC)  
Listed on INSQ (Mexican national Inventory of Chemical Substances)  
Taiwan Chemical Substance Inventory  
Listed on the NCI (National Chemicals Inventory)

#### Alcohols, C9-11, ethoxylated (68439-46-3)

Listed on the AICS (the Australian Inventory of Chemical Substances)  
Listed on Inventory of Existing Chemical Substances (IECSC)  
Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory.  
Listed on the Korean ECL (Existing Chemical List) inventory.  
Listed on New Zealand - Inventory of Chemicals (NZIoC)  
Listed on Inventory of Chemicals and Chemical Substances (PICCS)

#### Isopropyl alcohol (67-63-0)

Listed on the AICS (the Australian Inventory of Chemical Substances)  
Listed on Inventory of Existing Chemical Substances (IECSC)  
Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory.  
Listed on Industrial Safety and Health Law Substances (ISHL)  
Listed on the Korean ECL (Existing Chemical List) inventory.  
Listed on New Zealand - Inventory of Chemicals (NZIoC)  
Listed on Inventory of Chemicals and Chemical Substances (PICCS)

### 15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm

## SECTION 16: Other information

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#### Full text of H-statements

H225	Highly flammable liquid and vapor.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.

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### Full text of H-statements

H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

Safety Data Sheet (SDS), USA

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