# **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



Safety Data Sheet

.1. Product identifier	substance/mixture and of the company/undertaking
Product name	: 0.12% Chlorhexidine Gluconate Oral Rinse
1.2. Relevant identified uses of the s	substance or mixture and uses advised against
Use of the substance/mixture	: Pharmaceutical Agent
	lery 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 of	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/internation regulations.
2.3. Other hazards	
lo additional information available .4. Unknown acute toxicity (GHS-US	5)
lo additional information available .4. Unknown acute toxicity (GHS-US	S)
No additional information available 2.4. Unknown acute toxicity (GHS-US No data available	
No additional information available 2.4. Unknown acute toxicity (GHS-US No data available SECTION 3: Composition/informat	
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lo additional information available A. Unknown acute toxicity (GHS-US lo data available SECTION 3: Composition/informat A. Substance lot applicable 2. Mixture	ation on ingredients
No additional information available 2.4. Unknown acute toxicity (GHS-US No data available SECTION 3: Composition/information A.1. Substance Not applicable A.2. Mixture Name	ation on ingredients
lo additional information available .4. Unknown acute toxicity (GHS-US lo data available SECTION 3: Composition/informat .1. Substance lot applicable .2. Mixture Name Water	Ation on ingredients           Product identifier         %         Classification (GHS-US)           (CAS No) 7732-18-5         Trade Secret         Not classified
No additional information available 2.4. Unknown acute toxicity (GHS-US No data available 3.5. Composition/informat 3.1. Substance Not applicable 3.2. Mixture Name Water Ethyl alcohol	Ation on ingredients           Product identifier         %         Classification (GHS-US)           (CAS No) 7732-18-5         Trade Secret         Not classified           (CAS No) 64-17-5         Trade Secret         Flam. Liq. 2, H225 Carc. 1A, H350
No additional information available 2.4. Unknown acute toxicity (GHS-US No data available SECTION 3: Composition/informat 8.1. Substance Not applicable 8.2. Mixture Name Water Ethyl alcohol Glycerin	Ation on ingredients           Product identifier         %         Classification (GHS-US)           (CAS No) 7732-18-5         Trade Secret         Not classified           (CAS No) 64-17-5         Trade Secret         Flam. Liq. 2, H225 Carc. 1A, H350           (CAS No) 56-81-5         Trade Secret         Not classified
Ao additional information available  A. Unknown acute toxicity (GHS-US  Ao data available  BECTION 3: Composition/informat  A.1. Substance  Iot applicable  A.2. Mixture  Name  Water Ethyl alcohol  Glycerin Chlorhexidine digluconate	Product identifier       %       Classification (GHS-US)         (CAS No) 7732-18-5       Trade Secret       Not classified         (CAS No) 64-17-5       Trade Secret       Flam. Lig. 2, H225         (CAS No) 56-81-5       Trade Secret       Not classified         (CAS No) 56-81-5       Trade Secret       Not classified         (CAS No) 18472-51-0       Trade Secret       Acute Tox. 4 (Oral), H302
Ao additional information available  A. Unknown acute toxicity (GHS-US  Ao data available  BECTION 3: Composition/informat  A. Substance  Aot applicable  A. Mixture  Name Water Ethyl alcohol  Glycerin Chlorhexidine digluconate Sorbitan, isooctadecanoate, poly(oxy-1,2-ethanedi	Product identifier       %       Classification (GHS-US)         (CAS No) 7732-18-5       Trade Secret       Not classified         (CAS No) 64-17-5       Trade Secret       Flam. Lig. 2, H225         (CAS No) 56-81-5       Trade Secret       Not classified         (CAS No) 56-81-5       Trade Secret       Not classified         (CAS No) 18472-51-0       Trade Secret       Acute Tox. 4 (Oral), H302
No additional information available 2.4. Unknown acute toxicity (GHS-US No data available SECTION 3: Composition/informat a.1. Substance Not applicable a.2. Mixture Name Water Ethyl alcohol Glycerin	Product identifier       %       Classification (GHS-US)         (CAS No) 7732-18-5       Trade Secret       Not classified         (CAS No) 64-17-5       Trade Secret       Flam. Lig. 2, H225         (CAS No) 56-81-5       Trade Secret       Not classified         (CAS No) 56-81-5       Trade Secret       Not classified         (CAS No) 18472-51-0       Trade Secret       Acute Tox. 4 (Oral), H302

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 effe	cts, 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 medica	al 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 CO2
Unsuitable extinguishing media	: None.
5.2. Special hazards arising from the su	ibstance 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 mea	
	uipment 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 containme	ant 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, includin	ng any incompatibilities
Storage conditions	<ul> <li>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.</li> </ul>
7.3. Specific end use(s)	
Pharmaceutical Agent	
un en	

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8.1. Control parameters		
Ethyl alcohol (64-17-5)		
	CGIH STEL (ppm)	1000 ppm
	SHA PEL (TWA) (mg/m <sup>3</sup> )	1900 mg/m <sup>3</sup>
	SHA PEL (TWA) (ppm)	1000 ppm
Glycerin (56-81-5)		
USA OSHA C	SHA PEL (TWA) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
8.2. Exposure controls		
Appropriate engineering controls	: None required under no	rmal product handling conditions.
Hand protection	: None required under no	rmal product handling conditions.
Eye protection	None required under no	rmal product handling conditions.
Skin and body protection	Wear suitable working c	
Respiratory protection	None required under no	rmal product handling conditions.
SECTION 9: Physical and	chemical properties	
the state of the s	vsical and chemical properties	
Physical state	: Liquid	
Color	Clear Blue	
Odor	: Minty	
Odor threshold	No data available	
oH	: No data available	
Relative evaporation rate (butyl ace		
Melting point	: No data available	
	: No data available	
Freezing point		
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:	
_og Pow	: No data available	
Log Kow	: No data available	
/iscosity, kinematic	: No data available	
/iscosity, dynamic	: No data available	
Explosive properties	: No data available	
Dxidizing 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		
0.2. Chemical stability		
he product is stable at normal hand	lling and storage conditions	

The product is stable at normal handling and storage conditions.

Safety Data Sheet

10.2 Receively of herendous resetions	
10.3. Possibility of hazardous reactions Will not occur.	
10.4. Conditions to avoid	
	void 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 informat 11.1. Information on toxicological effects	ION
This mornation on taxicological enotes	
Acute toxicity	: Not classified
Ethyl alcohol (64-17-5)	
LC50 inhalation rat (mg/l)	124.7 mg/l/4h
ATE US (oral)	7060.0000000 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)	12600.0000000 mg/kg
Chlorhexidine digluconate (18472-51-0)	
ATE US (oral)	500.0000000 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	: Not classified
exposure)	-
Aspiration hazard	: Not classified
SECTION 12: Ecological information	
I2.1. Toxicity	
Ethyl alcohol (64-17-5)	12.0 - 16.0 ml/ (Exposure time: 06 b - Species: Operativeshue mukies (statial)
LC50 fish 1 EC50 Daphnia 1	12.0 - 16.0 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static]) 9268 - 14221 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 fish 2	<ul> <li>&gt; 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])</li> </ul>
EC50 Daphnia 2	2 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
Glycerin (56-81-5)	E1 E7 ml/ (Eveney ve time: 06 h. Secology Opportunative multice (statis))
LC50 fish 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

Rev.00

Safety Data Sheet

Sodium saccharin (128					
LC50 fish 1		16400 -	20400 mg/l (Exposure time:	96 h - Species: Pimephales promel	as [static])
12.2. Persistence an	d dogradability		in which		
No additional information a					
2.3. Bioaccumulativ	a notestal				
2.3. Bioaccumulativ					
Ethyl alcohol (64-17-5)					
Log Pow		-0.32			
Glycerin (56-81-5)					
BCF fish 1		(no bioa	ccumulation)		
Log Pow		-1.76			
Sodium saccharin (128	-44-9)				
Log Pow		0.91			
2.4. Mobility in soil					
No additional information a	vailable				
2.5. Other adverse of		. New Yo	Hanal Information		
ffect on ozone layer		: No addi	tional information available		
ffect on the global warmin	ng	: No know	wn ecological damage caused	by this product.	
ECTION 13: Dispos	sal considerations	5			
3.1. Waste treatmen					
Vaste disposal recommen	dations	: Dispose	of contents/container in acco	ordance with local/regional/national	/international regulations.
ECTION 14: Transp	port information				
accordance with DOT					
	defined in transport regu	lations			
lot a dangerous good as o		lations			
lot a dangerous good as o ECTION 15: Regula	atory information	lations			
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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

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
1302	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



Safety Data Sheet

SECTION 1: Identification of the su	bstance/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 sub	stance 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	and the second
2.1. Classification of the substance or p	nixture
Classification (GHS-US)	
Carc. 1A H350	
2.2. Label elements	
GHS-US labeling	
	GHS08
Signal word (GHS-US)	: Danger
Hazard statements (GHS-US)	: H350 - May cause cancer
Precautionary statements (GHS-US)	<ul> <li>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.</li> </ul>
2.3. Other hazards	
No additional information available	
2.4. Unknown acute toxicity (GHS-US)	
No data available	
SECTION 3: Composition/information	on on ingredients
3.1. Substance	
Not applicable	

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 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

Safety Data Sheet

1.1. Description of first aid measures	S
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 e	affects, 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 med	ilcal attention and special treatment needed
No additional information available	
SECTION 5: Firefighting measure	
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.
And the second	
6.1.1. For non-emergency personnel	easures equipment and emergency procedures
6.1. Personal precautions, protective	
6.1. Personal precautions, protective 6.1.1. For non-emergency personnel	
6.1. Personal precautions, protective 6.1.1. For non-emergency personnel No additional information available	
6.1.         Personal precautions, protective           6.1.1.         For non-emergency personnel           No additional information available         6.1.2.           For emergency responders         6.1.2.	
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SECTION 8: Exposure con 8.1. Control parameters		
on of parameters		
Ethyl alcohol (64-17-5)	and the second	and the product of the second s
USA ACGIH A	CGIH STEL (ppm)	1000 ppm
USA OSHA O	SHA PEL (TWA) (mg/m <sup>3</sup> )	1900 mg/m <sup>3</sup>
USA OSHA O	SHA PEL (TWA) (ppm)	1000 ppm
Glycerin (56-81-5)		and a second
USA OSHA O	SHA PEL (TWA) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
8.2. Exposure controls		
Appropriate engineering controls	: None required under no	mal product handling conditions.
Hand protection		mal product handling conditions.
Eye protection		mal product handling conditions.
Skin and body protection	Wear suitable working c	
Respiratory protection		mal product handling conditions.
SECTION 9: Physical and o	hemical properties	
	ysical and chemical properties	
Physical state	: Liquid	
Color	Clear Blue	
Odor	: Minty	
Odor threshold	No data available	
oH	No data available	
Relative evaporation rate (butyl ace		
Velting 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	
/apor 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	
/iscosity, kinematic	: No data available	
/iscosity, dynamic	: No data available	
xplosive properties	No data available	
Dxidizing properties	No data available	
Explosive limits	: No data available	
3.2. Other information		
lo additional information available		

#### 10.1. Reactivity

No additional information available

#### 10.2. Chemical stability

The product is stable at normal handling and storage conditions.

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.

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)	7060.0000000 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)	12600.0000000 mg/kg
Chlorhexidine digluconate (18472-51-0)	
ATE US (oral)	500.0000000 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)	3 - Not classifiable
IARC group	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	. Not classified
	Mar stars (Fad
Specific target organ toxicity (repeated exposure)	: Not classified
	Net sleep 10 ad
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])

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LC50 fish 1		16400	- 20400 mg/l (Exposure time: 9	96 h - Species: Pimephales promel	as [static])	
2.2. Persistence ar	d degradability	1				
o additional information						
2.3. Bioaccumulati	ve potential					
Ethyl alcohol (64-17-5)						
Log Pow		-0.32				
Glycerin (56-81-5)						
BCF fish 1		(no bio	paccumulation)			
Log Pow		-1.76				
Sodium saccharin (12)	3-44-9)	1.14				
Log Pow		0.91				
2.4. Mobility in soil						
lo additional information	available					
	. He also					
2.5. Other adverse ffect on ozone layer	enecus	· No ad	ditional information available			
ffect on the global warm	ing	: No kn	own ecological damage caused	by this product.		
ECTION 13: Dispo	sal consideratio			and states and states and		
and the second se		US I CONTRACTOR				
3.1. Waste treatme		-		udanas with tract/socias stractional	latemational regulations	
		Dicnor	ca of contents/container in acco			
ECTION 14: Trans accordance with DOT	port information		se of contents/container in acco	idance with local/egional/hatonal		
SECTION 14: Trans accordance with DOT lot a dangerous good as SECTION 15: Regu	port information defined in transport re- latory information	gulations	se of contents/container in acco			
SECTION 14: Trans a accordance with DOT lot a dangerous good as SECTION 15: Regul 5.1. US Federal regulat	port information defined in transport re- latory information	gulations	se of contents/container in acco			
Waste disposal recomme. SECTION 14: Trans in accordance with DOT Not a dangerous good as SECTION 15: Regul 5.1. US Federal regulat Glycerin (56-81-5)	port information defined in transport re- latory information ions	gulations			3	
SECTION 14: Trans n accordance with DOT Not a dangerous good as SECTION 15: Regular 5.1. US Federal regular Glycerin (56-81-5) Listed on the United Sta	port information defined in transport re- latory information ions tes TSCA (Toxic Subst	gulations 1 ances Cor	ntrol Act) inventory			
SECTION 14: Trans a accordance with DOT lot a dangerous good as SECTION 15: Regul 5.1. US Federal regulat Glycerin (56-81-5)	port information defined in transport re- latory information ions tes TSCA (Toxic Subst	gulations tances Cor Y2 - Y include	ntrol Act) inventory 2 - indicates an exempt polyme ed in a specified list of low cond	er that is a polyester and is made or perm reactants that comprises one of	nly from reactants	
ECTION 14: Trans a accordance with DOT lot a dangerous good as ECTION 15: Regular 5.1. US Federal regular Glycerin (56-81-5) Listed on the United Sta	port information defined in transport re- latory information ions tes TSCA (Toxic Subst	gulations tances Cor Y2 - Y include	ntrol Act) inventory 2 - indicates an exempt polyme	er that is a polyester and is made or	nly from reactants	
SECTION 14: Trans a accordance with DOT lot a dangerous good as SECTION 15: Regul 5.1. US Federal regulat Glycerin (56-81-5) Listed on the United Sta EPA TSCA Regulatory F	port information defined in transport reg latory information lons tes TSCA (Toxic Subst Flag	gulations tances Cor Y2 - Y include	ntrol Act) inventory 2 - indicates an exempt polyme ed in a specified list of low cond	er that is a polyester and is made or	nly from reactants	
SECTION 14: Trans a accordance with DOT lot a dangerous good as SECTION 15: Regul 5.1. US Federal regulat Glycerin (56-81-5) Listed on the United Sta EPA TSCA Regulatory F	port information defined in transport reg latory information lons tes TSCA (Toxic Subst Flag	gulations tances Cor Y2 - Y include	ntrol Act) inventory 2 - indicates an exempt polyme ed in a specified list of low cond	er that is a polyester and is made or	nly from reactants	
SECTION 14: Trans a accordance with DOT lot a dangerous good as SECTION 15: Regul 5.1. US Federal regulat Glycerin (56-81-5) Listed on the United Sta EPA TSCA Regulatory F 5.2. US State regulation thyl alcohol (64-17-5) .S California -	port information defined in transport re- latory information lons tes TSCA (Toxic Subst Flag	gulations ances Cor Y2 - Y include for the	ntrol Act) inventory 2 - indicates an exempt polyme ed in a specified list of low cond e exemption rule.	er that is a polyester and is made or comprises one of the comprises one	nly from reactants of the eligibility criteria	
SECTION 14: Trans a accordance with DOT lot a dangerous good as SECTION 15: Regul 5.1. US Federal regulat Glycerin (56-81-5) Listed on the United Sta EPA TSCA Regulatory F 5.2. US State regulation thyl alcohol (64-17-5) J.S California - roposition 65 -	port information defined in transport re- latory information ions tes TSCA (Toxic Subst Flag	gulations ances Cor Y2 - Y include for the	ntrol Act) inventory 2 - indicates an exempt polyme ed in a specified list of low cond e exemption rule. U.S California - Proposition 65 - Reproductive Toxicity -	er that is a polyester and is made or comprises one of the comprises one comprises one of the comprises one of the	nly from reactants	
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SECTION 14: Trans a accordance with DOT lot a dangerous good as SECTION 15: Regul 5.1. US Federal regulat Glycerin (56-81-5) Listed on the United Sta EPA TSCA Regulatory F 5.2. US State regulation thyl alcohol (64-17-5) I.S California - roposition 65 - carcinogens List es	defined in transport reg latory information lons tes TSCA (Toxic Subst Flag U.S California - Proposition 65 - Developmental T	gulations ances Cor Y2 - Y include for the	ntrol Act) inventory 2 - indicates an exempt polyme ed in a specified list of low cond e exemption rule. U.S California - Proposition 65 - Reproductive Toxicity -	er that is a polyester and is made or com reactants that comprises one of U.S California - Proposition 65 -	nly from reactants of the eligibility criteria	
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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:

xt 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



According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 12.05.2017

# 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: 64-17-5	Ethanol	<100
CAS number: 7732-18-5	Water	<100

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# According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

## Initial preparation date: 12.05.2017

# 0.12% Chlorhexidine Gluconate Oral Rinse

CAS number: 56-81-5	Glycerol	<100
CAS number: 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: 58205-96-2	Sorbitan, isooctadecanoate, poly(oxy-1,2-ethanediyl) derivs.	<100
CAS number: 128-44-9	1,2-benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt	<100
CAS number: 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

# According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 12.05.2017

# 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, diatomaceus 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/m3
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/m3 total dust

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Country (Legal Basis)	Substance	Identifier	Permissible concentration
	Glycerol	56-81-5	OSHA PEL TWA value 15 mg/m3 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

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.
рН	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.

# According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

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# 0.12% Chlorhexidine Gluconate Oral Rinse

Not determined or not available.
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-	oral	LD50 -Rat - 2000 mg/kg
diimino-2,4,11,13- tetraazatetradecanediamidine (2:1)	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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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
	Reproductive toxicity - Human female - Oral (Effects on Newborn: Apgar score (human only) , other neonaal measures or effects and drug depenedence.))

# 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.

# According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

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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
	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:**

# According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

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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, isooctadecanoate, 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
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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
	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.

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# **End of Safety Data Sheet**