

This safety data sheet complies with the requirements of:  
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Issuing Date: 28-Aug-2019

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## Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product Identifier

**SDS Number:** 1254200  
**Product Name:** Chlorhexidine Acetate Solution  
**Product Code(s):** AHF7962, AHF7963, AHF7964, AHF7968, AHF7969, AHF7970, AHF7971, AHF7972, AHF7973, AHF7976, AHF7977, AHF7978, AHF7979, AHF7980, AHF7981, AHF7983, AHF7984, AHF7985, AHF7986, AHF7987, AHF7988  
**Synonyms:** 0.5% Chlorhexidine Acetate, 0.015% Chlorhexidine Acetate and 0.15% Cetrimide, 0.1% Chlorhexidine Acetate and 1% Cetrimide, 0.05% Chlorhexidine Acetate and 0.5% Cetrimide, 0.02% Chlorhexidine Acetate, 0.05% Chlorhexidine Acetate, 0.1% Chlorhexidine Acetate

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

**Product Use:** Pharmaceutical.  
**Product Type:** Irrigating solution  
**Uses advised against** No information available

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

BAXTER HEALTHCARE CORPORATION  
DEERFIELD, ILLINOIS 60015  
0044 1635 206345

**E-mail address**  
medinfo\_emea@baxter.com

### 1.4. Emergency telephone number

Verisk 3E Global Incident Response Hotline +1 760 476 3962; Access Code 335625

## Section 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

*Regulation (EC) No 1272/2008*

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

### 2.2. Label elements

#### **Product Identifier**

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

#### **Signal Word**

None

### 2.3. Other hazards

No information available

## Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Chemical Name	EU EINECS List	CAS No.	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH Reg. No
Cetrimide 8044-71-1	-	8044-71-1	1	No data available	No data available
Chlorhexidine Acetate 56-95-1	200-302-4	56-95-1	<0.5	No data available	No data available
Methylene Blue 61-73-4	200-515-2	61-73-4	<0.01	No data available	No data available
FD&C Yellow Lake No.5 1934-21-0	217-699-5	1934-21-0	<0.01	No data available	01-2120116875-52
Acetic Acid 64-19-7	200-580-7	64-19-7	<0.1	Skin Corr. 1A (H314) Flam. Liq. 3 (H226)	01-2119475328-30
Water 7732-18-5	231-791-2	7732-18-5	>98	No data available	No data available

Full text of H- and EUH-phrases: see section 16

## Section 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

<b>General Advice</b>	Treat symptomatically and supportively.
<b>Eye contact:</b>	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops.
<b>Inhalation:</b>	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
<b>Skin contact:</b>	Wash contaminated skin with soap and water. Get medical attention if irritation develops.
<b>Ingestion:</b>	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately.

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

No information available.

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

Treat symptomatically. See patient package insert in shipping carton for complete information.

## Section 5: FIRE FIGHTING MEASURES

### 5.1. Extinguishing media

#### **Suitable extinguishing media**

Use extinguishing media suitable for surrounding materials.

#### **Extinguishing media which must not be used for safety reasons**

No information available

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

No information available

### 5.3. Advice for firefighters

Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

## Section 6: ACCIDENTAL RELEASE MEASURES

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

Keep unnecessary personnel away. Use suitable protective equipment (Section 8). Follow all fire fighting procedures (Section 5).

### 6.2. Environmental precautions

Do not allow material to contaminate ground water system.

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

#### Methods for Containment:

If emergency personnel are unavailable, contain spilled material.

#### Methods for cleaning up:

For small spills add absorbent (soil may be used in the absence of other suitable materials) scoop up material and place in a sealed, liquid-proof container for disposal. For large spills dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.

### 6.4. Reference to other sections

See Section 12 for more information

## Section 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

**Technical measures/precautions:** Wash thoroughly after handling.

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

**Technical measures and storage conditions:** Keep containers tightly closed in a cool, well-ventilated place. Store at room temperature in the original container. Protect from light.

**Incompatible materials:** No special restrictions on storage with other products.

### 7.3. Specific end use(s)

**Other Guidelines** None.

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

#### Exposure Limits:

Chemical Name	European Union	Uk oes/mel:	France	Spain	Germany
Cetrimide 8044-71-1	None	None	None	None	None
Chlorhexidine Acetate 56-95-1	None	None	None	None	None
Methylene Blue 61-73-4	None	None	None	None	None
FD&C Yellow Lake No.5 1934-21-0	None	None	None	None	None
Acetic Acid 64-19-7	None	None	10 ppm STEL [VLCT]; 25 mg/m <sup>3</sup> STEL [VLCT]	15 ppm STEL 37 mg/m <sup>3</sup> STEL 10 ppm TWA 25 mg/m <sup>3</sup> TWA	10 ppm TWA 25 mg/m <sup>3</sup> TWA 20 ppm Peak 50 mg/m <sup>3</sup> Peak
Water 7732-18-5	None	None	None	None	None
Chemical Name	Italy	Portugal	Netherlands	Finland	Denmark
Cetrimide 8044-71-1	None	None	None	None	None
Chlorhexidine Acetate 56-95-1	None	None	None	None	None
Methylene Blue 61-73-4	None	None	None	None	None
FD&C Yellow Lake No.5 1934-21-0	None	None	None	None	None
Acetic Acid 64-19-7	None	10 ppm TWA 25 mg/m <sup>3</sup> TWA 15 ppm STEL	25 mg/m <sup>3</sup> TWA	5 ppm TWA 13 mg/m <sup>3</sup> TWA 10 ppm STEL	10 ppm TWA 25 mg/m <sup>3</sup> TWA

Water 7732-18-5	None	None	None	25 mg/m <sup>3</sup> STEL None	None
<b>Chemical Name</b>	<b>Austria</b>	<b>Switzerland</b>	<b>Poland</b>	<b>Norway</b>	<b>Ireland</b>
Cetrimide 8044-71-1	None	None	None	None	None
Chlorhexidine Acetate 56-95-1	None	None	None	None	None
Methylene Blue 61-73-4	None	None	None	None	None
FD&C Yellow Lake No.5 1934-21-0	None	None	None	None	None
Acetic Acid 64-19-7	10 ppm TWA 25 mg/m <sup>3</sup> TWA 20 ppm STEL 50 mg/m <sup>3</sup> STEL	None	25 mg/m <sup>3</sup> TWA 50 mg/m <sup>3</sup> STEL	10 ppm TWA 25 mg/m <sup>3</sup> TWA 10 ppm STEL 25 mg/m <sup>3</sup> STEL	15 ppm STEL 37 mg/m <sup>3</sup> STEL 10 ppm TWA 25 mg/m <sup>3</sup> TWA
Water 7732-18-5	None	None	None	None	None
<b>Chemical Name</b>	<b>Sweden</b>				
Cetrimide 8044-71-1	None				
Chlorhexidine Acetate 56-95-1	None				
Methylene Blue 61-73-4	None				
FD&C Yellow Lake No.5 1934-21-0	None				
Acetic Acid 64-19-7	5 ppm TLV 13 mg/m <sup>3</sup> TLV 10 ppm STV; 25 mg/m <sup>3</sup> STV				
Water 7732-18-5	None				

**8.2. Exposure controls****Engineering Measures**

No special containment is required. Good general ventilation should be sufficient to control airborne levels.

**Personal protective equipment****Eye protection**

Eye protection not required for normal final product use. Safety glasses with side-shields are recommended for laboratory and manufacturing use.

**Respiratory protection**

No personal respiratory protective equipment normally required.

**Hand protection**

Use chemical resistant, impervious gloves.

**Skin and body protection**

Work uniform or laboratory coat.

**Environmental exposure controls**

Do not allow material to contaminate ground water system.

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties**

<b>Physical state:</b>	Liquid
<b>Appearance:</b>	Aqueous solution.
<b>Color:</b>	Clear, Colorless. Blue. Yellow.
<b>Odor:</b>	No information available
<b>Odor Threshold:</b>	No information available
<b>pH:</b>	No information available
<b>Melting point / melting range:</b>	No information available
<b>Boiling point / boiling range:</b>	No information available
<b>Flash point:</b>	No information available

<b>Flammability (solid, gas):</b>	No information available
<b>Evaporation rate:</b>	No information available
<b>Flammable limits in air-upper (%):</b>	No information available
<b>Flammable limits in air-lower (%):</b>	No information available
<b>Vapor pressure:</b>	No information available
<b>Vapor density</b>	No information available
<b>Density:</b>	No information available
<b>Solubility:</b>	No information available
<b>Partition coefficient (n-octanol/water):</b>	No information available
<b>Autoignition temperature:</b>	No information available
<b>Decomposition temperature</b>	No information available
<b>Viscosity:</b>	No information available
<b>Explosive Properties:</b>	No information available
<b>Oxidizing Properties:</b>	No information available

**9.2. Other information****Section 10: STABILITY AND REACTIVITY****10.1. Reactivity**

No data available.

**10.2. Chemical stability**

Stable under recommended storage conditions

**10.3. Possibility of hazardous reactions**

<b>Polymerization</b>	No information available
<b>Hazardous Reactions</b>	None under normal use conditions

**10.4. Conditions to avoid**

Do not freeze. Protect from light.

**10.5. Incompatible materials**

None known

**10.6. Hazardous decomposition products**

No data available

**Section 11: TOXICOLOGICAL INFORMATION**

Chemical Name	Inhalation LC50	Dermal LD50	Oral LD50
Cetrimide 8044-71-1	-	-	= 1000 mg/kg ( Rat )
Chlorhexidine Acetate 56-95-1	-	-	= 1180 mg/kg ( Rat )
Methylene Blue 61-73-4	-	-	= 1180 mg/kg ( Rat )
FD&C Yellow Lake No.5 1934-21-0	-	-	-
Acetic Acid 64-19-7	11.4 mg/L 4 h (Rat)	= 1060 mg/kg ( Rabbit )	= 3310 mg/kg ( Rat )
Water 7732-18-5	-	-	> 90 mL/kg ( Rat )

**11.1. Information on toxicological effects****Acute Toxicity**

**Inhalation:** Inhalation not likely under normal use conditions.

**Eye contact:** May cause irritation and/or allergic reactions.

**Skin contact:** Hypersensitivity (may include drug fever, rash, itching, anaphylaxis). Cardiovascular effects (may include fluctuations in heart rate, changes in blood pressure, chest pain).

**Ingestion:** Hypersensitivity (may include drug fever, rash, itching, anaphylaxis). Cardiovascular effects (may include fluctuations in heart rate, changes in blood pressure, chest pain).

**Unknown Acute Toxicity**

1 % of the mixture consists of ingredient(s) of unknown toxicity.

**Acute Oral Toxicity**  
**Acute dermal toxicity**  
**Acute inhalation toxicity - gas**  
**Acute inhalation toxicity - Vapor**  
**Acute inhalation toxicity - dust/mist**

0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity  
 1 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity  
 1 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)  
 1 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)  
 1 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

**Component Information**

**Irritation:** Not classified.  
**Corrosivity:** Not classified.  
**Sensitization:** Not classified.  
**Mutagenic effects:** Not classified.  
**Carcinogenic effects:** Not classified.

Chemical Name	ACGIH	IARC	NTP	OSHA	EU Annex I Carcinogen Information	UK
Cetrimide 8044-71-1	-	-	-	-	-	-
Chlorhexidine Acetate 56-95-1	-	-	-	-	-	-
Methylene Blue 61-73-4	-	-	-	-	-	-
FD&C Yellow Lake No.5 1934-21-0	-	-	-	-	-	-
Acetic Acid 64-19-7	-	-	-	-	-	-
Water 7732-18-5	-	-	-	-	-	-

**Reproductive toxicity:** Not classified.  
**STOT - single exposure:** Not classified.  
**STOT - repeated exposure:** Not classified.  
**Aspiration Hazard:** Not classified.

**Section 12: ECOLOGICAL INFORMATION**

Chemical Name	Ecotoxicity - Water Flea Data	Fish Species Ecotoxicity	Ecotoxicity - Freshwater Algae Data	Ecotoxicity - Microtox Data
Cetrimide 8044-71-1	None.	None.	None.	None.
Chlorhexidine Acetate 56-95-1	None.	None.	None.	None.
Methylene Blue	None.	None.	None.	None.

61-73-4				
FD&C Yellow Lake No.5 1934-21-0	None.	None.	None.	None.
Acetic Acid 64-19-7	47 mg/L EC50 24 h 65 mg/L EC50 48 h	79 mg/L LC50 Pimephales promelas 96 h 75 mg/L LC50 Lepomis macrochirus 96 h	None.	8.8mg/LEC50Photob acterium phosphoreum15min 8.8mg/LEC50Photob acterium phosphoreum25min 8.8mg/LEC50Photob acterium phosphoreum5min
Water 7732-18-5	None.	None.	None.	None.

**12.1. Toxicity**

No information available

0 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

**12.2. Persistence and degradability**

No information available.

**12.3. Bioaccumulative potential**

No information available

**12.4. Mobility in soil**

No information available

**12.5. Results of PBT and vPvB assessment**

This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

**12.6. Other adverse effects**

This product does not contain any known or suspected endocrine disruptors.

**Section 13: DISPOSAL CONSIDERATIONS**

**13.1. Waste treatment methods**

**Waste from residues/unused products**

In accordance with local and national regulations

**Contaminated Packaging**

In accordance with local and national regulations.

**Section 14: TRANSPORT INFORMATION**

**IMDG**

- 14.1 UN number Not regulated
- 14.2 Proper Shipping Name Not regulated.
- 14.3 Transport hazard class(es) Not regulated
- 14.4 Packing Group Not regulated.
- 14.5 Marine Pollutant Not applicable
- 14.6 Special Provisions None
- 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the No information available

**IBC Code****RID**

14.1 UN-No	Not regulated
14.2 Proper Shipping Name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing Group	Not regulated
14.5 Environmental hazard	Not applicable
14.6 Special Provisions	None

**ADR Road Transport**

14.1 UN-No	Not regulated
14.2 Proper Shipping Name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing Group:	Not regulated
14.5 Environmental hazard	Not applicable
14.6 Special Provisions	None

**IATA**

14.1 UN number	Not regulated
14.2 Proper Shipping Name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing Group	Not regulated
14.5 Environmental hazard	Not applicable
14.6 Special Provisions	None

**Section 15: REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****International Inventories**

**EU EINECS List** This product does not comply with EINECS

**Legend**

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**15.2. Chemical safety assessment**

No information available

**Section 16: OTHER INFORMATION****Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

**Additional information:**

Not Available.

**Key literature references and sources for data**

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

**Prepared by:** Baxter Research & Development  
**Issuing Date:** 28-Aug-2019  
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**This data sheet contains changes from the previous version in section(s):**  
 None

**This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006**

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

**End of Safety Data Sheet**