



SAFETY DATA SHEET

Issuing Date: 10/21/2014

Revision Date: 03/10/2015

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Identifier

MSDS Number: 1254200
Product Name: Chlorhexidine Acetate Solution

Other means of identification

Product Codes: AHF7962, AHF7963, AHF7964, AHF7969, AHF7970, AHF7971, AHF7973, AHF7976, AHF7977, AHF7978, AHF7979, AHF7980, AHF7981, AHF7983, AHF7984, AHF7987, AHF7988
Synonyms: 0.5% Chlorhexidine Acetate and 1% Cetrimide, 0.15% 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

Recommended use of the chemical and restrictions on use

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

Details of the supplier of the safety data sheet

BAXTER HEALTHCARE CORPORATION
DEERFIELD, ILLINOIS 60015
(800) 422-9837 or (224) 948-4770

Emergency telephone number

Rocky Mountain Poison and Drug Center: USA (888) 990-0996
OUTSIDE USA (303) 389-1422
CHEMTREC: USA (800) 424-9300 OUTSIDE USA (743)741-6089

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.122)

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Label Elements

Emergency Overview

The product contains no substances which at their given concentration, are considered to be hazardous to health

Hazards not otherwise classified (HNOC)

Other Information

• Causes mild skin irritation
Unknown Acute Toxicity 0% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No	Weight %
Cetrimide	8044-71-1	0-1
Chlorhexidine Acetate	56-95-1	0-0.1
Methylene Blue	61-73-4	0 - <0.1
FD&C Yellow Lake No.5	1934-21-0	0-<0.1
Acetic Acid	64-19-7	<0.1
Water	7732-18-5	>98

4. FIRST AID MEASURES

First Aid Measures

General Advice: Treat symptomatically and supportively.

Eye contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops.

Skin contact: Wash contaminated skin with soap and water. Get medical attention if irritation develops.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion: 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.

Most important symptoms and effects, both acute and delayed
No information available.

Indication of any immediate medical attention and special treatment needed
Treat symptomatically. See patient package insert in shipping carton for complete information.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific hazards arising from the chemical
No information available.

Special protective equipment for firefighters:
Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures
Keep unnecessary personnel away. Use suitable protective equipment (Section 8). Follow all fire fighting procedures (Section 5).

Environmental Precautions
See Section 12 for environmental precautions.

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.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Technical measures/precautions: Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities

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

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

Exposure Limits:

Component	OSHA- Time Weighted Average:	OSHA- Short Term Exposure Limit:	OSHA- Ceiling Limits	ACGIH- Time Weighted Average:	ACGIH- Short Term Exposure Limit:	ACGIH- Ceiling Limit Value:
Cetrimide 8044-71-1	None	None	None	None	None	None
Chlorhexidine Acetate 56-95-1	None	None	None	None	None	None
Methylene Blue 61-73-4	None	None	None	None	None	None
FD&C Yellow Lake No.5 1934-21-0	None	None	None	None	None	None
Acetic Acid 64-19-7	10 ppm 25 mg/m³ 10 ppm (vacated) 25 mg/m³ (vacated)	None	None	10 ppm	15 ppm	None
Water 7732-18-5	None	None	None	None	None	None

Appropriate engineering controls

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

Individual protection measures, such as 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.

Hand protection: Use chemical resistant, impervious gloves.

Skin and body protection: Work uniform or laboratory coat.

Respiratory protection: No personal respiratory protective equipment normally required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state:	Liquid
Appearance:	Aqueous solution
Color:	Clear, Colorless. Blue. Yellow.
Odor:	No information available.
Odor Threshold:	No information available.
pH:	Not applicable.
Melting point/range:	No information available.
Boiling point/range:	No information available.
Flash point:	No information available.
Evaporation rate:	No information available.
Flammability (solid, gas):	No information available.
Flammable limits	No information available.
in air-upper (%):	
Flammable limits	No information available.
in air-lower (%):	
Vapor pressure:	No information available.
Vapor Density:	No information available.
Density:	No information available.
Solubility:	No information available.
Partition coefficient	No information available.
(n-octanol/water):	
Autoignition temperature:	No information available.
Decomposition Temperature:	No information available.
Viscosity:	No information available.
Explosive Properties:	No information available.
Oxidizing Properties:	No information available.

Other Information

10. STABILITY AND REACTIVITY

Reactivity

No data available

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to Avoid

Do not freeze. Protect from light.

Incompatible materials

None known

Hazardous Decomposition Products

No data available.

11. TOXICOLOGICAL INFORMATION

Component	LC50 Inhalation	LD50 Dermal	LD50 Oral
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 (Rat) 4 h	= 1060 mg/kg (Rabbit)	= 3310 mg/kg (Rat)
Water 7732-18-5	-	-	> 90 mL/kg (Rat)

Information on likely routes of exposure

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).

Information on Toxicological Effects

Symptoms:	No information available.
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Delayed and immediate effects as well as chronic effects from short and long-term exposure

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

Component	ACGIH	IARC	NTP	OSHA
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.

Numerical measures of toxicity - Product Information

Unknown Acute Toxicity	0% of the mixture consists of ingredient(s) of unknown toxicity
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12. ECOLOGICAL INFORMATION

Component	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 61-73-4	None.	None.	None.	None.
FD&C Yellow Lake No.5 1934-21-0	None.	None.	None.	None.
Acetic Acid 64-19-7	65 mg/L EC50 48 h 47 mg/L EC50 24 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.

Ecotoxicity
No information available
1.002% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Persistence and degradability
No information available.

Bioaccumulative potential
No information available

Mobility in soil
No information available.

Other adverse effects
No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from residues / unused products: In accordance with local and national regulations.
Contaminated Packaging: In accordance with local and national regulations.

14. TRANSPORT INFORMATION

DOT Not regulated

15. REGULATORY INFORMATION

U.S. Regulations:
TSCA Inventory List - The product is exempt from TSCA, it is FDA Regulated

OTHER REGULATIONS:

Component	Weight %	RCRA Status:	CERCLA Reportable Quantity:	CERCLA/SARA - 302 Ext. haz. substances:	Listed as Sara 313 title III:
Cetrimide 8044-71-1	0-1	Not Listed	Not Listed	Not Listed	Not Listed
Chlorhexidine Acetate 56-95-1	0-0.1	Not Listed	Not Listed	Not Listed	Not Listed
Methylene Blue 61-73-4	0 - <0.1	Not Listed	Not Listed	Not Listed	Not Listed
FD&C Yellow Lake No.5 1934-21-0	0-<0.1	Not Listed	Not Listed	Not Listed	Not Listed
Acetic Acid 64-19-7	<0.1	Not Listed	5000 lb 2270 kg	Not Listed	Not Listed
Water 7732-18-5	>98	Not Listed	Not Listed	Not Listed	Not Listed

STATE REGULATIONS:

Component	California Prop. 65	Minnesota Right-To -Know:	Florida Right-to-Know Reporting List:	Rhode Island Right-to-Know List:	Massachusetts Right-to-Know List:	Pennsylvania Right-to-Know:	New Jersey Right-to-Know:
Cetrimide 8044-71-1	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Chlorhexidine Acetate 56-95-1	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Methylene Blue 61-73-4	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
FD&C Yellow Lake No.5 1934-21-0	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Acetic Acid 64-19-7	Not Listed	Present	Not Listed	Present	Present	Present	Present
Water 7732-18-5	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

CANADIAN REGULATIONS:

Canada DSL Inventory List - This product does not comply with DSL

16. OTHER INFORMATION

This data sheet contains changes from the previous version in section(s):
New GHS format.

Additional information:
Not Available.

Prepared by: Baxter Research & Development

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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
