



MATERIAL SAFETY DATA SHEET

Section I – Product Identification			
Product Name or Identity:	CHLORHEXIDINE SOLUTION 2%		
Manufacturer's Name:	Aurora Pharmaceutical, LLC	Emergency Phone No.	888-863-9376
	1196 S Hwy 3	Fax No.:	507-650-7250
	Northfield, MN 55057	Item number:	10-048
Date Prepared or Revised: July 24, 2013			
Chemical Family: Mixture			
Formula:	Solution		
Hazard Classification:	Non-Hazardous		
HMIS Rating System:	Health - 1 /Flammability -0 /Reactivity - 0		

Section II – Hazardous Ingredients / Identity Information			
Ingredient	CAS#	TLV-TWA	Percent
Isopropyl Alcohol	67-63-0	400 ppm	4
Chlorhexidine Gluconate	18472-51-0	N/A	2

The hazard communication standard requires that such mixtures be assumed to present the same health hazard as do components that constitute at least 1% of the mixture (0.1% for carcinogens) although OSHA has noted that the hazards of individual components may be altered by including them in a mixture. Some of the ingredients of this mixture are a trade secret. NE=not established.

Section III – Physical Characteristics	
Boiling Point: 200° F	Specific Gravity (H ₂ O = 1): 1.00 g/ml
Vapor Pressure (mm Hg.): 1.5 mm	Percent Volatile: 88
Vapor Density (AIR = 1): N/A	Evaporation Rate (Butyl Acetate = 1): Approximately same as water.
Solubility in Water: Soluble	
Appearance and Odor: Green, Pleasant alcohol and soap-type odor	

Section IV – Fire and Explosion Hazard Data	
Flash Point (<i>Method Used</i>): >200F Closed cup.	Explosion Limits: Not flammable
Extinguishing Media: Fog or water spray, foam, carbon dioxide, class A, BC, or ABC Fire Extinguisher	
Special Fire Fighting Procedures: Evacuate personnel to a safe area. Wear self-contained breathing apparatus and full protective equipment.	

Unusual Fire and Explosion Hazards: Thermal decomposition may produce toxic fumes of carbon dioxide, carbon monoxide and low levels of p-chloroaniline.

Section V – Reactivity Data

Stability	Unstable		Conditions to Avoid: Anionic detergents
	Stable	x	This material is stable under normal handling and storage conditions.
Incompatibility (<i>Materials to Avoid</i>): Anionic detergents			
Hazardous Decomposition or Byproducts: Carbon dioxide, carbon monoxide and p-chloroaniline			
Hazardous Polymerization	May Occur		Conditions to Avoid: None
	Will Not Occur	x	

Section VI – Health Hazard Data

Route(s) of Entry:	Inhalation: should not cause respiratory irritation.	Skin: May cause irritation	Ingestion: May be harmful if swallowed
			Eyes: Can cause irritation or serious injury.
Health Hazards (<i>Acute and Chronic</i>)	Keep out of the reach of children. Prevent eating, drinking and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.		
Carcinogenicity: (National Toxicology Program) Not listed		(International Agency for Research in Cancer) Not listed	OSHA Regulated? No
Signs and Symptoms of Exposure: See above			
Medical Conditions Generally Aggravated by Exposure: None known			
WARNING: See above			
Emergency / First Aid Procedures	Ingestion: If victim is conscious and able to swallow, have victim drink water or milk to dilute. Never give anything by mouth if victim is unconscious or having convulsions. Call a physician or poison control center immediately. Induce vomiting if advised by a physician or poison control center.		
	Inhalation: Immediately move victim to fresh air, rest patient and seek medical advice if necessary.		

	Eye Contact: Immediately flush eye with water for at least 15 minutes. Seek medical attention immediately.
	Skin Contact: Wash with soap and water. Discontinue use if a reaction occurs. If reaction is severe, seek medical attention.

Section VII – Precautions for Safe Handling and Use

Accidental Release Measures: Wear appropriate personal protective equipment during clean-up. Isolate spill or leak area immediately. Ventilate closed area. Do not touch or walk through spilled material. Clean up spill with absorbent material, towels or mop up and dispose of in accordance with federal, state and local regulations. Remainder of spill may be flushed to sewer with copious amounts of water.

Waste Disposal Method: Disposal of this material must be in accordance with federal, state/provincial, and local regulations.

Handling and Storage: Store the material in original container, in a secure, dry, well-ventilated area out of reach of children and domestic animals. Avoid excessive heat. Keep container tightly closed. Avoid inhalation. Avoid contact with eyes, skin or clothing. Do not store food or beverages in the storage area. Prevent eating, drinking, tobacco use and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling. Wash clothing after use.

Other Precautions: Do not clean area with anionic detergents that will precipitate the chlorhexidine into a water insoluble residue.

Section VIII – Control Measures

Respiratory Protection: NIOSH-approved air purifying respirator.

Ventilation	Local Exhaust: Well-ventilated area.	Special: Wear an appropriate NIOSH-approved air purifying respirator in situations where a respirator is judged appropriate to prevent inhalation
	Mechanical (General):	Other:
Protective Gloves: YES		Eye Protection: YES
Other Protective Clothing or Equipment: Lab coat, shoe covers, as appropriate to prevent skin contact.		
Work / Hygienic Practices: Normal work and hygienic practices.		



Section IX – Transportation Information
Not Classified as Dangerous for Transport.
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