

SPEAKMAN[®]

MATERIAL SAFETY DATA SHEET

Section 1. Chemical Product and Company Information

Common Name:	Speakman Eye Wash Preservative	Code:	MA0608001SPEA01
Supplier:	SPEAKMAN [®] 800-537-2107	MSDS#:	MA0608001SPEA01
Synonym:	None	Validation Date:	9-1-07
Trade Name:	None	Print Date:	9-1-07
Material Uses:	Preservative	Responsible Name:	Dr. B
Manufacturer:	BBC Biochemical PO Box 1320 409 Eleanor Lane Mount Vernon, WA 98273 1-800-635-4477	In Case of Emergency: 1-800-424-9300 Chemtrec USA 1-202-483-7616 Chemtrec Intrl 1-800-635-4477	

Section 2. Composition and Information on Ingredients

Name	CAS#	% by Weight	OSHA PEL/TWA	/STEL
1) Distilled Water	7732-18-5	NOTE: Percent composition withheld as a trade secret.	Not available	
2) Propylene Glycol	57-55-6			
3) Chlorhexidine Gluconate	18472-51-0			

Section 3. Hazards Identification

Physical State and Appearance	Colorless liquid.
Emergency Overview	Not available.
Routes of Entry	Eye contact, inhalation, ingestion, skin contact.
Potential Acute Health Effects	
Eyes	Irritation, may cause vision impairment or permanent damage.
Skin	Irritation. Can be toxic by skin absorption.
Inhalation	Affects central nervous system, especially the optic nerve.
Ingestion	May produce blindness.
Potential Chronic Health Effects	Chronic exposure may also cause damage to the liver, kidneys and Central Nervous System.
Medical Conditions Aggravated by Overexposure/Overexposure/Signs/Symptoms	Skin conditions, eye problems, or impaired liver or kidney function.

Section 4. First Aid Measures

Eye Contact	Immediately flush thoroughly with water for at least 15 minutes.
Skin Contact	Wash thoroughly with soap and water.
Inhalation	Remove to fresh air; give artificial respirations if breathing has stopped.
Ingestion	Get immediate medical attention. If medical attention is not immediately available, induce vomiting. Do not induce vomiting if patient is unconscious.
Notes to Physician	Not available.

Section 5. Fire Fighting Measures

Flammability of the Product	Low Flammability.
Auto-ignition Temperature	Not available.
Flash Points	Not available.
Flammable Limits	Not available.
Products of Combustion	Not available.
Fire Hazards in Presence	Not available.

Of Various Substances	
Explosion Hazards in Presence of Various Substances	Not available.
Fire Fighting Media and Instructions	CO ₂ , foam, water. Wear self-contained breathing apparatus and protective clothing.
Protective Clothing (Fire)	
Special Remarks on Fire Hazards	Thermal decomposition produces toxic fumes.
Special Remarks on Explosion Hazards	

Section 6. Accidental Release Measures	
Small Spill and Leak	Evacuate the area of all unnecessary personnel. Wear suitable protective equipment listed under Section VIII. Eliminate any ignition sources until the area is determined to be free from explosion or fire hazards. Contain the release and eliminate it's source, if this can be done without risk. Take up and containerize for proper disposal as described under Waste Disposal Method. Comply with Federal, State, and local regulations on reporting releases.
Large Spill and Leak	Same as above.

Section 7, Handling and Storage	
Handling	Do not breathe vapor or mist. Do not get in eyes, on skin, or on clothing. Material must be handled or transferred in an approved fume hood or with adequate ventilation.
Storage	Keep container tightly closed. Store away from heat, sparks, open flame, oxidizers.

Section 8. Exposure Controls / Personal Protection	
Engineering Controls	Engineering and/or administrative controls should be implemented to reduce exposure.
Personal Protection	
Eyes	Safety glasses with side shields must be worn at all times.
Body	Impervious clothing must be worn to prevent skin contact.
Respiratory	If workplace exposure limit(s) of product or any component is exceeded (see TLV/PEL), a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type) under specified conditions (see your safety supplier).
Hands	Neoprene, nitrile or equivalent protective gloves should be worn.
Feet	Impervious footwear should be worn to prevent skin contact.
Personal Protection in Case of a Large Spill	See above.
Product Name	Exposure Limits
1)	
2)	
3)	
Consult Local authorities before acceptable exposure limits.	

Section 9. Physical and Chemical Properties			
Physical State and Appearance	Colorless liquid.	Odor:	Not available.
Molecular Weight	Not applicable.	Taste:	Not available.
Molecular Formula	Not applicable.	Color:	None.
pH	Neutral.		
Boiling/Condensation Point	Not applicable.		
Melting/Freezing Point	Not applicable.		
Critical Temperature	Not applicable.		
Specific Gravity	Not applicable.		
Vapor Pressure	Not applicable.		
Vapor Density	Not applicable.		
Volatility	Not applicable.		
Odor Threshold	Not applicable.		
Evaporation Rate	Not applicable.		
VOC	Not available.		
Viscosity	Not available.		
Ionicity (in water)	Not available.		
Dispersion Properties	Not available.		

Solubility	Miscible in water.
Physical Chemical Comments	Not available.

Section 10. Stability and Reactivity

Stability and Reactivity	Stable.
Conditions of Instability	Heat, contact with ignition sources.
Incompatibility with Various Substances	Oxidizers.
Hazardous Decomposition Products	CO ₂
Hazardous Polymerization	Does not occur.

Section 11. Toxicological Information

Toxicity to Animals	Chlorhexidine Gluconate 100%: ORAL (LD50): Acute: 2000 mg/kg [Rat]. 1260 mg/kg [Mouse]..
Chronic Effects on Humans	
Other Toxic Effects on Humans	
Special Remarks on Toxicity to Animals	Tests on laboratory animals indicate methanol may produce adverse mutagenic and reproductive effects. Cited in Registry of Toxic Effects of Substances (RTECS).
Special Remarks on Chronic Effects on Humans	Not available.
Special Remarks on Other Toxic Effects on Humans	Not available.

Section 12. Ecological Information

Ecotoxicity	Not available.
BODS and COD	Not available.
Biodegradable/OEDC	Not available.
Mobility	Not available.
Toxicity of the Products of Biodegradation	Not available.
Special Remarks on The Products of Biodegradation	Not available.

Section 13. Disposal Considerations

Waste Information	Product can be disposed of as non-regulated waste. BBC recommends drain disposal with copious amounts of water. Minimum dilution is 250mL Eyewash Preservative to 20 Liters water. Please consult your local waste authority with questions on regulations.
Waste Stream	Not available.
Consult your local or regional authorities.	

Section 14. Transport Information

DOT Classification	
Marine Pollutant	Not available.
Hazardous Substances Reportable Quantity	Not available.
Special Provisions for Transport	Not applicable.
TDG Classification	Not controlled under TDG (Canada).
ADR/RID Classification	Not controlled under ADR (Europe).
IMO/IMDG Classification	Not controlled under IMDG.
ICAO/IATA Classification	Not controlled under IATA.

Section 15. Other Information

Label requirements			
Hazardous Material Information System (U.S.A.)	Health	1	National Fire Protection Association (U.S.A.)
	Fire Hazard	0	
	Reactivity	0	
	Personal Protection		
<p>The diagram is a diamond shape divided into four quadrants. The top quadrant is labeled 'Fire Hazard' and contains the number '0'. The bottom quadrant is labeled 'Reactivity' and contains the number '0'. The left quadrant is labeled 'Health' and contains the number '1'. The right quadrant is labeled 'Specific Hazard' and contains the number '0'.</p>			
References			
Other Special Considerations			
Notice to Reader			
<p><i>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.</i></p>			