1455 Kleppe Lane ◆Sparks, NV 89431-6467◆(775) 359-4712 ◆Fax (775) 359-7424
HAWS AG ◆Bachweg 3 ◆CH-3401 Burgdorf ◆Switzerland
Haws Mfg. Pte Lt. ◆74 Sungei Kadut Loop ◆Singapore 729531
E-mail: haws@hawsco.com ◆website: www.hawsco.com

No. 2080222(5)

MATERIAL SAFETY DATA SHEET
(MSDS)

TO ORDER MORE BACTERIOSTATIC PRESERVATIVE:

Contact your nearest Haws Representative or call Haws Customer Service at: 1-888-640-4297, Sparks, Nevada.

Mixing Instructions

Follow instructions on the side of each bottle. Units with capacities of 6-20 gallons should be mixed with the full 8 ounces contained in each bottle. It is recommended that the tentative potable water be replaced every 180 days. This procedure may be followed even with weekly 15-second testings. (Water consumed in testing, should be replaced with clean potable water.)

Instructions

Product should be stored and used between 35°F - 95°F (2°C - 35°C). Use before expiration date.

MATERIAL SAFETY DATA SHEET

Identity: BacterioStatic Preservative

Section I

Manufacturer:	Haws Corporation	**Telephone**: (800) 766-5612	**Fax:** (775) 359-7424
Address:	1455 Kleppe Lane Sparks, NV 89431	**Date Prepared:** July 26, 2002	

Section II — Material Identification and Information

Components (Chemical Names & Common Names (Hazardous Components 1% or greater, Carcinogens 0.1% or greater)	CAS #s	%	OSHA PEL	ACGIH TLV	OTHER LIMITS
Chlorohexidine Gluconate	18472-510	1-5			
Propylene Glycol		10-20			

Section III — Physical / Chemical Characteristics

Boiling Point: >100°C	**Specific Gravity (H20 = 1):** .99
Vapour Pressure (mm Hg): N/A	**Melting Point:** N/A
Vapour Density (Air = 1): <1	**Evaporation Rate (Water = 1):** approx. 1
Solubility in Water: GOOD	**Water Reactive:** NONE
Appearance and Odour: CLEAR, WATER WHITE LIQUID	**Percent Volatile:** 90%

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used): NON-FLAMMABLE	**Auto-Ignition Temperature:** N/A
Flammability Limits in Air % by Volume: N/A	**LEL:** N/A **UEL**: N/A

Extinguisher Media: CARBON DIOXIDE, DRY CHEMICALS, WATER FOG
Special Fire Fighting Procedures: NONE
Unusual Fire and Explosion Hazards: NONE

Section V — Reactivity Data

Stability	**Unstable:** NO **Stable:** YES	**Conditions to Avoid:** NONE

Incompatibility (Materials to Avoid): STRONG OXIDIZING MATERIALS
Hazardous Decomposition Products: CARBON MONOXIDE

Hazardous Polymerization	**May Occur:** NO **Will Not Occur:** YES	**Conditions to Avoid:** NONE

Section VI — Health Hazard Data

Primary Routes of Entry:	**Inhalation:** NO	**Ingestion:** NO	**Skin Absorption:** NO	**Not Hazardous:** YES
Carcinogen Listed In:	**NTP:** NO	**OSHA:** NO	**IARC Monograph:** NO	**Not Listed:** YES
Health Hazards:	**Acute:** NONE	**Chronic:** NONE		

Signs and Symptoms of Exposure: EYE CONTACT – PRODUCT HAS NO EFFECT
Skin Contact: PRODUCT HAS NO EFFECT
Ingestion: MAY CAUSE STOMACH DISCOMFORT IF INGESTED.
Inhalation: PRODUCT HAS NO EFFECT

Section VII — Health Hazard Data

Emergency First Aid Procedures: SEEK MEDICAL ASSISTANCE FOR FURTHER TREATMENT, OBSERVATION & SUPPORT IF NECESSARY.
Eye Contact: NONE REQUIRED
Skin Contact: NONE REQUIRED
Inhalation: NONE REQUIRED
Ingestion: DO NOT INDUCE VOMITING. GIVE VICTIM LARGE QUANTITIES OF WATER. SEEK MEDICAL HELP.

Section VIII — Control and Protective Measures

Respiratory Protection (Specify Type): NOT REQUIRED
Protection Gloves: NONE
Eye Protection: NONE
Ventilation to be Used: **Local Exhaust:** N/A **Mechanical (General):** N/A **Special:** N/A **Other:** USE IN WELL VENTILATED AREA.
Other Protective Clothing and Equipment: NOT REQUIRED
Hygienic Work Practices: FOLLOW INSTRUCTIONS OUTLINED ON LABEL.

Section IX — Precautions for Safe Handling and Use / Leak Procedures

Steps to be taken if Material is Spilled or Released: FLUSH AREA W/LARGE AMOUNTS OF POTABLE WATER DOWN SANITARY SEWER.
Waste Disposal Methods: IN ACCORDANCE WITH MUNICIPAL, PROVINCIAL AND FEDERAL REGULATIONS.
Precautions to be Taken in Handling and Storage: STORE IN A COOL AREA.
Other Precautions and/or Special Hazards: NONE

HMIS Rating:	**Health:** 1	**Flammability:** 0	**Reactivity:** 0	**Personal Protection:** 1
NFPA Rating:	**Health:** 1	**Flammability:** 0	**Reactivity:** 0	**Special:**