



## INSTALLATION, OPERATION & MAINTENANCE INSTRUCTIONS

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No. 2080222(13)

### **Model 9082 Sterile Antimicrobial Preservative Concentrate Eyewash Additive**

#### **TO ORDER MORE EYE WASH STATION PRESERVATIVE CONCENTRATE:**

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

#### **WARNING:**

1. MUST BE DILUTED WITH **POTABLE** WATER. DO NOT PUT DIRECTLY INTO EYES. Do not use if tamper evident twist-off top is broken or missing.
2. Contact with the eyes and mucosa can cause irritation, redness and pain.
3. **SEE PAGE 2 FOR MSDS AND EMERGENCY CONTACT INFORMATION.**

#### **Mixing Instructions**

Follow instructions on the side of each bottle. Units with capacities of 5-20 gallons (18.93 – 75.7L) should be mixed with the full 5 ounces (148 ml) contained in each bottle. It is recommended that the tentative potable water be replaced every 90 days. (Water consumed in testing, should be replaced with clean potable water).

#### **Storage Instructions**

Product should be stored between 36-104°F  
(2-40°C) and used between 59-86°F  
(15-30°C). Use before expiration date.

# MATERIAL SAFETY DATA SHEET

**SUPPLIER:**

Haws Corporation  
1455 Kleppe Lane  
Sparks, NV 89431  
USA

**EMERGENCY TELEPHONE**

INFORMATION: Telephone 1-888-640-4297 or 1-775-359-4712 Monday -  
Thursday 6am-4:30pm PST 6am-4:00pm PST Friday  
EMERGENCY: If swallowed get medical help or call your Poison Control  
Center right away

N.D.: NO DATA AVAILABLE N.A.: NOT APPLICABLE

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## SECTION 1 – PRODUCT IDENTIFICATION

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**COMMERCIAL NAME:** Model 9082 Eyewash Additive, sterile antimicrobial preservative  
**CHEMICAL NAME:**  
**CHEMICAL FORMULA:** 1, 6-Di-(N-p-Chlorophenyl diguanide) hexane digluconate  
(C<sub>22</sub>H<sub>30</sub>Cl<sub>2</sub>N<sub>10</sub>•2C<sub>6</sub>H<sub>12</sub>O<sub>7</sub>)  
**CHEMICAL FAMILY:** Organic, cationic.  
**CODE:** C249  
**PRODUCT USE:** Eyewash flushing **concentrate** for portable 5gal.to 20gal.(18.9L – 75.7L)  
emergency eyewash stations. **MUST BE DILUTED WITH POTABLE WATER. DO NOT PUT DIRECTLY INTO EYES.** Do not use if tamper  
evident twist-off top is broken or missing  
**WHMIS CLASSIFICATION:** N.A.  
**TDG CLASSIFICATION:** N.A.

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## SECTION 2 – INGREDIENTS

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**CONTROLLED INGREDIENTS (Over 1% (w/w)) :**

|                            |                 |        |   |
|----------------------------|-----------------|--------|---|
| CHLORHEXIDINE GLUCONATE BP | CAS: 18472-51-0 | 1-5%   | LD <sub>50</sub> (MOUSE-ORAL) =1800 mg/Kg |
| PROPYLENE GLYCOL USP       | CAS: 57-55-6    | 10-20% |   |

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## SECTION 3 - PHYSICAL CHARACTERISTICS

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**PHYSICAL STATE, ODOR & APPEARANCE:** Clear, odourless, water white liquid  
**THRESHOLD ODOUR:** N.A.  
**BOILING POINT:** >100°C  
**pH AT 25°C:** 5.0 – 7.0  
**SPECIFIC GRAVITY AT 20°C. (water=1):** .99  
**VAPOUR PRESSURE mmHg AT 20°C:** N.A.  
**VAPOUR DENSITY (air= 1) :** <1  
**WATER SOLUBILITY:** good  
**FREEZING POINT:** N.A.  
**EVAPORATION RATE (WATER=1):** approximately 1  
**PARTITION COEFFICIENT (WATER/OIL):** N.D. miscible with water.  
**FLASH POINT:** non-flammable  
**AUTOIGNITION TEMPERATURE:** N.A.

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## SECTION 4 – REACTIVITY

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**STABILITY:** Chemically stable under normal conditions.  
**CONDITIONS TO AVOID:** Avoid exposure to heat.  
**INCOMPATIBILITE:** Avoid strong oxidizing materials  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon Monoxide  
**HAZARDOUS POLYMERISATION:** None.

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## SECTION 5 - FIRE AND EXPLOSION HAZARD

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**FLAMMABILITY:** Non-flammable liquids.

**SPECIAL FIRE HAZARDS:** N.A.

**HAZARDOUS COMBUSTION PRODUCTS:** Carbon monoxide and carbon dioxide can be produced.

**FIRE FIGHTING MEDIA:** Use alcohol-resistant foam, carbon dioxide or chemical powders for small fires. For larger amounts (multiple packages / pallets) of product: Since toxic, corrosive or flammable vapours might be evolved from fires involving this product and associated packaging, self contained breathing apparatus and full protective equipments are recommended for firefighters. If possible, contain and collect firefighting water for later disposal.

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## SECTION 6 - TOXICOLOGICAL PROPERTIES

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### EFFECTS OF ACUTE EXPOSURE:

**EYES:** Contacts with the eyes and mucosa can cause irritation, redness and pain.

**SKIN:** In normal use, does not cause irritation. However, sensitive individuals may develop minor skin irritation.

**INHALATION:** N.A.

**INGESTION:** Chlorhexidine Gluconate has a relatively low LD50 value since it is poorly absorbed by the intestine. It is rather eliminated in the feces. The Isopropyl Alcohol is however more harmful if ingested. It may irritate the gastro-intestinal track, affect the nervous system, liver and kidneys. May cause nausea, headache and alter vision.

### EFFECTS OF CHRONIC EXPOSURE:

Prolonged and repeated exposure by application on the skin may cause a chronic skin irritation.

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## SECTION 7 - PREVENTATIVE MEASURES

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### AS NEEDED, APPLY THE APPROPRIATE MEASURES ACCORDING TO THE AMPLITUDE OF EXPOSURE.

**SKIN:** Use gloves when handling,

**EYES:** Avoid any contact with the eyes.

**RESPIRATORY TRACT:** N.A.

**OTHER PROTECTIVE EQUIPMENTS:** N.A.

**VENTILATION:** N.A.

**IN CASE OF SPILL OR LEAK:** Absorb spills with a neutral absorbing material. Rinse with water.

**WASTE DISPOSAL:** As dictated by the federal, provincial and municipal, rules.

**HANDLING PROCEDURES AND STORAGE REQUIREMENTS:** Use with care. Keep bottle tightly closed and store at room temperature. Avoid exposure to temperatures above 49°C.

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## SECTION 8 – FIRST AID MEASURES

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**EYES:** Flush eyes immediately with large volumes of water continuously for 20 minutes. Consult a physician.

**SKIN:** In case of accidental contact with skin, wash with soap and rinse with water. If irritation appears, it will probably disappear if not, cease using and consult a physician.

**INHALATION:** N.A.

**INGESTION:** Do not induce vomiting. Give water. In case of non-induced vomiting, lean victim forward to prevent any risk of asphyxia. Never give any liquid to an unconscious person. Get medical attention.

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## SECTION 9 - OTHER INFORMATION

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**REVISED IN:** 16Aug12 January 3, 2012

**REPLACE VERSION OF:** September 1, 1998, March 10, 2009, February 10, 2010

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