

G1540 AquaGuard® 16 Gallon Eyewash Station

Installation Operation and Maintenance Instructions

Effective: 2/2004
Expiration: 2/2014
Replaces: None

- The G1540 AquaGuard Eyewash Unit is a gravity fed, natural flow eyewash station, eliminating the need for plumbing.
- Conforms to ANSI Z358.1
- Provides over 15 minutes of continuous flow with just a flip of the activation manifold.



Warning!

Under Penalty of Law:

These instructions are not to be removed except by the user of this equipment. Current instructions must always be available to any potential user. If these instructions are out of date, call Guardian Customer Service and request current instructions. If you have difficulty or experience any problem with Guardian equipment or the instructions, please dial (312) 733-2626.

1.0 Application

The G1540® AquaGuard should only be used as an emergency eyewash station. Instructions must be followed and water purity must be maintained as directed.

2.0 Installation

The station shall be positioned with the flushing fluid nozzles not less than 33-inches and no greater than 45-inches above the surface on which the user stands. It shall also be positioned so that the sides are a minimum 6-inches from the wall or nearest obstruction. Install unit so spent eyewash fluid transfers to an appropriate collection container or to a drain. Do not let spent eyewash fluid drain to the floor or to the surrounding areas of the tank due to dangers of slipping or electrical shock.

If set on a flat surface, such as a table, cart, or shelf, the surface should be of adequate strength to support 155 pounds, filled weight, with a 2 to 1 safety factor minimum. Carts, tables, or shelves used should therefore have a minimum static load rating of 310 pounds. Carts with casters should be locked into place (minimum of 2 locking casters).

Eyewash units may be wall mounted using the "J" bracket enclosed in the accessory kit with each eye wash station. Hardware selected to mount the bracket should be chosen based on the wall construction that the unit is mounted on. Bracket must be mounted into a wall with sufficient strength to support the filled weight of the unit with appropriate safety factor as noted above.

Do not mount into dry wall without a wood stud to support the weight.

Where the possibility of freezing exists, equipment should be protected from freezing. The unit should deliver tepid flushing fluid with a minimum temperature of 60° F, to a maximum temperature of 100 degrees F. In circumstances where chemical reaction is accelerated by flushing fluid temperature, a facilities safety/health advisor should be consulted for the optimum temperature for each application. See ANSI Z358.1 Appendix B6.

After installation and filling, eyewash station should be activated for about 5 seconds to visually verify flow.

3.0 Operation

3.1.0 Before initial use, clean and rinse station. It is recommended the eyewash be filled and flushed using hot water, 140F (60C) or hotter.

3.1.1 Every time the unit is filled, it should first be cleaned and rinsed.

3.1.2 Partially fill station with potable water.

3.1.3 Add one eight ounce bottle of bacteriostatic additive to prevent bacteria growth in the tank.

3.1.4 Continue to fill tank to 1/8" below overflow point.

3.1.5 Install cap to the top of the station. Do not over tighten.

3.1.6 It is recommended the eyewash be cleaned as directed, and the water be replaced at a minimum of every six months

4.0 Warnings

4.1.0 Read and follow all instructions for this eyewash station. Failure to do so may result in serious eye damage and vision loss.

4.1.1 Clean tank every six months. Fill and flush using hot water, 140F (60C) or hotter, after cleaning.

4.1.2 A new bottle of bacteriostatic additive must be added every time the eyewash tank is refilled.

5.0 Inspection

It is recommended the eyewash be inspected weekly for inadequate water level. Inspections which give evidence of any particulation or discoloration suggest the water be replaced immediately.

Guardian Equipment
660 N. Union Street
Chicago, IL 60610
312 733 2626
gesafety.com

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MATERIAL SAFETY DATA SHEET

Identity: AQUASEP By Guardian Equipment (Model G1540BA)					
Section I					
Manufacturer: Niagara Pharmaceuticals Inc.	Emergency Telephone: (613) 996-6666 (collect) CANUTEC (800) 268-9017 Poison Information Centre				
Address: 60 Innovation Drive Flamborough, Ontario, Canada L9H 7P3	Telephone: (905) 690-6277 Fax: (905) 690-6281				
	Date Prepared: 15-Aug-02				
	Prepared By: John Ioannou, Quality Control				
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			Oral RM 2000 mg/kg
PROPYLENE GLYCOL	57-55-6	10-20			
Section III Physical / Chemical Characteristics					
Physical State:	LIQUID	Specific Gravity (H ₂ O = 1):	1.00		
Boiling Point:	>100°C	Melting Point:	N/A		
Vapor Pressure (mm Hg):	N/A	Evaporation Rate (Water = 1):	APPROX. 1		
Vapor Density (Air = 1):	<1	Water Reactive:	NONE		
Solubility in Water:	GOOD	Percent Volatile:	90%	pH: 5.50 - 7.0	
Appearance and Odor:	CLEAR, WATER-WHITE LIQUID				
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:	HIGH TEMPERATURES		
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 - Potential Acute Health Effects					
Eye Contact:	WILL CAUSE IRRITATION AND REDNESS TO EYE.				
Skin Contact:	MAY CAUSE MILD IRRITATION TO SKIN AREA.				
Inhalation:	PRODUCT HAS NO EFFECT.				
Ingestion:	MAY CAUSE SEVERE STOMACH DISCOMFORT IF INGESTED.				
Section VII Health Hazard Data					
Emergency First Aid Procedures:	SEEK MEDICAL ASSISTANCE FOR FURTHER TREATMENT. OBSERVATION AND SUPPORT IF NECESSARY.				
Eye Contact:	FLUSH EYES WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES.				
Skin Contact:	WASH EFFECTED AREA WITH SOAP AND WATER.				
Inhalation:	REMOVE PATIENT TO FRESH AIR.				
Ingestion:	DO NOT INDUCE VOMITING. GIVE VICTIM LARGE QUANTITIES OF WATER. SEEK MED. HELP.				
Section VIII Control and Protective Measures					
Respiratory Protection (Specify Type):	NIOSH/MSHA APPROVED				
Protection Gloves:	RUBBER GLOVES	Eye Protection:	GLASSES - SAFETY TYPE		
Ventilation to be Used:	Local Exhaust:	YES	Special:	N/A	
	Mechanical (General):	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 PLACE				
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: 0	