

SAFETY DATA SHEET



1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: **GLYCOL 100**

Product Use: Closed System Treatment

BARCLAY WATER MANAGEMENT, INC.

55 Chapel Street
Newton, MA 02458
Telephone: 617-926-3400

Emergency Phone Number

CHEMTREC
1-800-424-9300

2. HAZARDS IDENTIFICATION

GHS Ratings:

<u>GHS Hazards</u>	<u>GHS Precautions</u>

Signal Word:

There are no GHS ratings that apply to this product at this time.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
1,2-Propylene glycol 57-55-6 96.0 percent			
Dipotassium phosphate 7758-11-4 1 to 5%			

4. FIRST AID MEASURES

Inhalation:

Remove victim to fresh air and keep a rest in a position comfortable for breathing. Get medical attention if any discomfort continues.

Eye Contact:

Rinse the eye with water immediately. Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention promptly if symptoms occur after washing.

Skin Contact:

Immediately remove contaminated clothing. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing.

Ingestion:

NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. Rinse mouth thoroughly. Get medical attention if any discomfort continues.

Notes to Physician:

Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flash Point: N/A

LEL:

UEL:

Flammability of the Product:

Not Flammable.

Extinguishing Media:

Foam, Dry powder, Water spray, Carbon dioxide (CO2)

Further information:

No data available.

Specific hazards during fire fighting:

No data available.

Fire Fighting Methods:

Standard procedure for chemical fires. Cool containers / tanks with water spray.

Special protective equipment for fire-fighters:

In the event of fire, wear self-contained breathing apparatus. Splashproof protective suit.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Avoid contact with skin and eyes. Wear personal protective equipment (see section 8).

Environmental precautions:

Should not be released into the environment. Stop the leakage if possible.

Methods for cleaning up:

In case of large spillage, contain and collect into suitable containers for disposal. Must be disposed of in accordance with local and national regulations. After cleaning, flush away traces with water.

7. HANDLING AND STORAGE

Handling:

Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. Wear appropriate personal protective equipment when handling this product. Do not get in eyes or on skin.

Storage:

Store at room temperature in the original container. Keep tightly closed. Avoid freezing.

Materials for packaging:

Suitable material: original container, plastic (PE, PP, PVC), Stainless steel.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls:

Ensure adequate ventilation.

Occupational exposure controls:

Handle in accordance with good industrial hygiene and safety practice.

Avoid contact with skin and eyes. Wash hands before breaks and immediately after handling the product.

Control of environmental exposure:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Respiratory protection

None under normal use.

Hand protection

Glove material: Nitrile rubber disposable gloves.

Eye protection

Safety glasses with side-shields. Maintain eyewash fountain in work area.

Skin and body protection

Maintain safety shower in work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Odor: None Odor threshold: ND pH: 9.0 Freezing point: < -10 F Boiling range: > 212 F	Vapor Pressure: 20 Pa @ 25 C Vapor Density: 2.63 (Air = 1.0) Melting point: ND Solubility: Complete in water Flash point: > 200 F
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<p>Evaporation rate: ND</p> <p>Explosive Limits: ND</p> <p>Autoignition temperature: ND</p> <p>Specific Gravity: 1.036</p> <p>Appearance: Red</p>	<p>Flammability: ND</p> <p>Partition coefficient (n- ND octanol/water):</p> <p>Decomposition temperature: ND</p> <p>Grams VOC less water: ND</p>
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10. STABILITY AND REACTIVITY

Chemical stability
Stable under recommended storage conditions.

Incompatibility materials
Strong oxidizing agents.
Hazardous reactions :
Hazardous polymerization does not occur.

Hazardous decomposition products
No data available.

11. TOXICOLOGICAL INFORMATION

Mixture Toxicity
Component Toxicity

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
None			N/A

12. ECOLOGICAL INFORMATION

Ecotoxicity Avoid contaminating waterways.

Component Ecotoxicity
1,2-Propylene glycol 96 Hr LC50 Oncorhynchus mykiss: 51600 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 41 - 47 mL/L [static]; 96 Hr LC50 Pimephales promelas: 51400 mg/L [static]; 96 Hr LC50 Pimephales promelas: 710 mg/L 48 Hr EC50 Daphnia magna: >1000 mg/L [Static] 96 Hr EC50 Pseudokirchneriella subcapitata: 19000 mg/L

13. DISPOSAL CONSIDERATIONS

Product:
Must be disposed of in accordance with local and national regulations.

Contaminated Packaging:
Must be disposed of in accordance with local and national regulations.

14. TRANSPORT INFORMATION

<u>Agency</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
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15. REGULATORY INFORMATION

Massachusetts Right To Know Components
- None

New Jersey Right To Know Components
57-55-6 1,2-Propylene glycol

Pennsylvania Right To Know Components
57-55-6 1,2-Propylene glycol

The following chemicals are subject to reporting established by SARA Title III, Section 302.
- None

The following chemicals are subject to reporting established by SARA Title III Section 313.
- None

TSCA - All Components of this product are included in the United States TSCA Chemical Inventory.

SARA 311/312 - None.

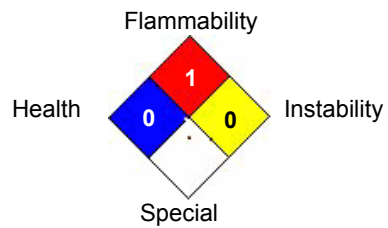
16. OTHER INFORMATION

Hazardous Material Information System (HMIS)

HEALTH	0
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	A

HMIS & NFPA Hazard Rating Legend
* = Chronic Health Hazard
0 = INSIGNIFICANT
1 = SLIGHT
2 = MODERATE
3 = HIGH

National Fire Protection Association (NFPA)



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Disclaimer: All information, recommendations and suggestions appearing herein are based upon sources believed to be reliable. However, it is the user's responsibility to determine the safety, toxicity and suitability for its own use of this product. Barclay Water Management, Inc. does not assume any liability arising out of the use by others of this product.