

# Inhibited Ethylene Glycol

## Freezing Protection for Closed Loop Systems

### *Description*

**Inhibited Ethylene Glycol** is an undiluted ethylene glycol which combines heat transfer ability and freeze protection for closed heating and chilled water systems. Glengarry **Inhibited Ethylene Glycol** is formulated with an industrial strength corrosion inhibitor designed specifically for Closed Recirculating systems. The corrosion inhibitor protects metals commonly found in both industrial and commercial installations, including brass, copper, steel and cast iron. **Inhibited Ethylene Glycol** is clear and colourless liquid.

### *Application*

**Inhibited Ethylene Glycol** may be dosed into the system undiluted from the drum using a hand-operated positive displacement pump or as a pre-diluted solution via an automatic make-up dosing system. Intended for systems operating at -50 °F to 250 °F (-46 °C to 121 °C).

Adjust the proportion of **Inhibited Ethylene Glycol** to water in the system depending upon the freezing point and boiling points required. The freezing point for **Inhibited Ethylene Glycol** may be checked with a refractometer testing device.

*For high temperature solar systems at 250 °F to 325 °F (121 °C to 163 °C), recommend using a HD Glycol. For aluminum heat exchanger systems, recommend using an aluminum safe glycol.*

### *Freezing Point Protection*

% Inhibited Ethylene Glycol by Volume	Freezing Point Protection	
25%	12°F	-11°C
30%	3°F	-16°C
35%	-4°F	-20°C
40%	-13°F	-25°C
45%	-22°F	-30°C
50%	-33°F	-36°C
55%	-49°F	-45°C
60%	-60°F	-50°C

If the **Inhibited Ethylene Glycol** mixture is maintained under 25%, then additional corrosion inhibitor may be required. The reserve alkalinity should be monitored frequently to ensure the corrosion inhibitor level is within recommended parameters.

Consult with your Glengarry Technical Representative for recommended dosing equipment, dosage rates and by-pass filtration equipment for your closed loop system.

**Inhibited Ethylene Glycol** is packaged in 20 litre pails and 205 litre drums.

### *Safety Precautions*

Please refer to the Safety Data Sheet which contains detailed information about this product and the recommended handling procedures.