

Propylene Glycol Inhibited Industrial Heat Transfer Fluid

Description

Nemco Propylene Glycol Heat Transfer Fluid is a non-toxic product blended with propylene glycol and light inhibitor for storage. The product is dyed pink to identify it as inhibited. Recommended use temperature range is -45°C (-50°F) to 160°C (325°F).

Nemco Propylene Glycol Antifreeze & Coolant is formulated with industrial grade propylene glycol rather than ethylene glycol; the base used for traditional antifreeze. While attaining performance characteristics comparable to ethylene glycol-based antifreeze, inhibited propylene glycol antifreeze provides the additional benefit of being non-toxic and therefore safer than ethylene glycol coolants. *When using Nemco's inhibited propylene glycol, additional treatment must be considered before adding to heating/cooling systems in order to meet pH and corrosion prevention requirements.*

Advantages

- Safe, non-toxic formula with PG
- Custom blend options available
- Industrial propylene glycol with >97% purity

Applications

- Heat transfer agent for boiler systems
- Antifreeze solution
- Coolant in refrigeration systems
- De-icing fluids
- Custom blends available

Use and Storage

For best performance it is recommended concentrate be premixed with distilled, deionized, or demineralized water. Always check your equipment manufacturer's specifications for heat transfer fluid suitability. Glycols typically have a shelf life of 3 years under ideal storage conditions. Keep packages closed while not in use, store in a cool and dry area. Keep drum and tote bungs securely in place; as bungs breath, moisture can seep in over time. Store away from direct sunlight.

Typical Characteristics - Propylene Glycol Antifreeze

Properties	Method	Performance				
		Conc.	30:70	40:60	50:50	60:40
Colour	-	Dark Pink	Pink			
SPG, 20°C	Internal	1.030	1.026	1.034	1.036	1.060
pH	Internal	10.5	8.0 - 9.0			
Burst point, °C(°F)	Industry	-	-27(-18)	-51(-60)	-51(-60)	-51(-60)
Freeze point, °C(°F)	ASTM D3321	Super cool	-13.9(7)	-22.2(-8)	-37(-35)	-51(-60)
Boiling point, °C(°F)	ASTM D3321	154(309)	102(215)	104(219)	106(223)	107(225)
Glycol (% vol), min	ASTM D3321	≥97%	≥28.5%	≥38.5%	≥48.5	≥58.5

These characteristics are typical of current production, variations in these characteristics may occur.

Availability and product codes - PG HTF

Pack size	20L pail	205L drum	1,000 tote/Bulk
PG Conc.	AIAFZ0008	AIAFZ0025	Special Order
PG 30:70	AIAFZ0009	AIAFZ0026	AIAFZ0041
PG 50:50	AIAFZ0010	AIAFZ0027	AIAFZ0042
PG 60:40	AIAFZ0007	AIAFZ0024	AIAFZ0039
Availability	To order, contact us toll free 855-755-6737 or at orderdesk@nemco.ca		

Health, Safety, & Environment

GHS compliant Safety Data Sheets are available at nemco.ca under the Safety Data Sheets. For SDS in French, please contact info@nemco.ca. This material is WHMIS 2015 classified. The SDS contains valuable information critical to the safe handling and proper use of the product. Always take used glycol to an authorized collection point. Avoid discharge into drains, soil, or water. As with any chemical, keep out of reach of children and animals.

Quality

Nemco works with respected industry supplier for glycols. Nemco Resources Limited manufacturing facility in Winnipeg, Manitoba is proud to be certified to ISO9001. For questions regarding quality, please contact your local sales representative.