

Ethylene Glycol

Industrial Heat Transfer Fluid

Description

Nemco Ethylene Glycol Antifreeze & Coolant Nemco Ethylene Glycol Antifreeze & Coolant is a clear, untreated product and one of the most common fluid mediums used in convective heating and cooling applications. Ethylene glycol is used in many commercial applications including coolants for gas compressors, heating, ventilating and air-conditioning systems, and ice-skating rinks.

In combination with water, ethylene glycol provides a wide temperature range of service, providing low temperature freeze protection as well as higher boiling points for extended range of operation. For additional protection from rust and corrosion, please refer to our fully formulated product; SR-1 EG HTF Ethylene Glycol Heat Transfer Fluid.

Advantages

- Economical heat transfer fluid
- Custom blend options available
- Meets ASTM E1177 for ethylene glycol

Applications

- Heat transfer agent for boiler systems
- Antifreeze solutions
- Coolant in refrigeration systems

For the applications above, additional additives will be required for optimum performance. If there is a risk of fluid leakage to potable water or food processing systems, consider using our Propylene Glycol Heat Transfer Fluid which offers similar heat transfer performance with non-toxic properties.

Use and Storage

For best performance it is recommended concentrate be premixed with distilled or deionized 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.

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.

Typical Characteristics - Ethylene Glycol

Properties	Method	Performance		
		Conc.	50:50	60:40
Colour	Appearance	Clear		
SPG, 15.6°C(60°F)	Internal	1.115	1.065	1.076
Freeze point, °C(°F)	D3321	-12.5(9.5)	-37(-35)	-53(-63)
Boiling point, °C(°F)	D3321	193(379)	106(223)	112(234)
Glycol (% vol), min	D3321	≥97%	≥48.5	≥58.5

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

Availability and product codes

Pack size	20L pail	205L drum	1,000 tote/Bulk
EG Conc.	AIAFZ0011	AIAFZ0028	AIAFZ0001
EG 50:50	AIAFZ0012	AIAFZ0029	AIAFZ0044
EG 60:40	Special Order	AIAFZ0048	Special Order
Availability	To order, contact us toll free 855-755-6737 or at orderdesk@nemco.ca		

Quality

Nemco works with respected industry suppliers for glycols. Our Ethylene Glycol meets ASTM E1177. 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.