



# Propylene glycol energy storage fluid sales

What is industrially inhibited propylene glycol fluid?

Industrially inhibited propylene glycol fluid with an operating range of -60F to 350F. The higher maximum operating range allows for greater thermal stability under continuous heavy-duty operation. INTERCOOL® P-300 is designed for heavy duty demanding applications that require a higher level of corrosion inhibitors and pH buffers.

Where can I buy inhibited propylene glycol?

You can buy inhibited propylene glycol from Hawkins. Hawkins carries it in bulk and in multiple packaging options, as well as customized formulas for your exact needs. At Hawkins, you can find the ideal chemistry and service to help you succeed.

What is Chill-Pro HD propylene glycol?

Chill-Pro HD propylene glycol is specially formulated to provide superior corrosion protection for most metals, including brass, cast aluminum, cast iron, copper, solder, and steel. Hawkins, as a Chill-Pro Propylene Glycol Supplier and Distributor, offers faster and more comprehensive support with this product.

What types of heat transfer fluids does dynalene manufacture?

Dynalene's line of heat transfer fluids includes high performing glycol-based coolants such as Propylene Glycol, Ethylene Glycol, BioGlycol, Solar Glycol, and liquids manufactured involving innovative and proprietary chemistries such as potassium formate, hydrocarbons, silicone and molten salts.

What is a triethylene glycol based ethyl alcohol based heat transfer fluid?

Inhibited Triethylene Glycol formulation using chemically engineered inorganic inhibitors for corrosion protection in natural gas dehydration units. INTERCOOL® TN-400 Inhibited denatured ethyl alcohol based heat transfer fluid designed for use in geothermal well field systems. PROCOOL N

What type of glycol is used for freeze protection?

Glycols such as propylene glycol (PG) ethylene glycol (EG) and 1,3 propanediol (Bioglycol) are used for freeze protection below 32°F and can be used up to 350°F with a proper additive package. High-temperature fluids are normally used above 350°F up to 662°F (350°C).

Hydratech invest heavily in research and development, to ensure they remain at the forefront of the heat transfer fluid industry. In 2010, Hydratech introduced Coolflow DTX - a high performance non-toxic secondary refrigerant, suitable for replacing propylene glycol in food and cold storage cooling systems.

Inhibited Glycol-based Heat Transfer Fluids DOWTHERM SR-1 This ethylene glycol-based fluid is suitable for use in closed-loop, water-based HVAC, process heating and cooling, and food industry applications



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operating from -50°C (-60°F) to 120°C (250°F). A specially formulated inhibitor package provides excellent corrosion protection for ...

o DOWCAL(TM) N heat transfer fluid is a propylene glycol-based fluid containing a special corrosion inhibitor package. It is the preferred choice for the food and beverage industry. DOWCAL(TM) 100 and DOWCAL(TM) 200 have recommended operating temperature ranges of -50°C to 175°C while DOWCAL(TM) N has a recommended range from -50°C to 120°C.

Coolflow Process Cooling Fluids have been formulated to optimise thermal efficiency, reduce pumping energy and extend operational life - across all industrial and commercial sectors. Launched in 2010, non-toxic Coolflow DTX represents a major step forward in heat transfer and pumping efficiency, providing >10% reduction in operating costs when ...

Compared to salt brines, methanol, and propylene glycol, ethylene glycol has been the fluid of choice for thermal storage because it is a very efficient freeze-point depressant, gives flexibility in solution strength, has good heat transfer properties and ...

GlycoChill+ E200 applications include: HVAC heating and cooling systems; Thermal Energy Storage; Process Heating and Cooling; Snow Melting Systems; Ice Rinks; and various other needs requiring deicing, defrosting and dehumidifying solutions. As a heat transfer fluid, the use of Ethylene Glycol has several distinct advantages over Propylene Glycol.

Purchase Nu-Calgon 4188-07 - Propylene glycol antifreeze & heat transfer fluid For Sale. Nu-Calgon's Propylene Glycol Antifreeze & Heat Transfer fluid is the perfect solution for any maintenance project. This product comes in a 1 gallon jug and weighs 9.7 lbs, making it the perfect size to store and move around.

Description Propylene Glycol Inhibited Heat Transfer Fluid 100% is a fully-formulated propylene glycol-based heat transfer fluid containing an inhibitor and additive package that controls corrosion of metals, helps prevent scaling and the fouling of heat transfer surfaces, and buffers the pH to maintain it in the optimum

DOWFROST Fluid+ DOWFROST Heat Transfer Fluid Composition (% by weight) Propylene Glycol 96 Performance Additives 4 Color Colorless Specific Gravity 15/15°C (60/60°F) 1.050-1.060 pH of Solution (50% glycol) 9.0-10.0 Reserve Alkalinity (min.) 10.0 ml + Typical properties, not to be construed as specifications. Complete sales ...

High efficiency environmentally safe heat transfer fluids with anti-freeze function and long-life inhibitors. Formulated for use in data centre cooling systems. Plus a range of Fluid Management Services to monitor and maintain long-term efficiency.

Also, from the propylene glycol-based heat transfer fluid range, DOWCAL(TM) 200 specifically designed for



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application that demand high levels of thermal efficiency and stability and it provides superior heat transfer, low viscosity, comprehensive freeze protection and advanced corrosion inhibition. ... Solar energy systems for heating water and ...

Propylene Glycol (PG) heat transfer fluids mixtures use either high-quality industrial grade synthetic-based propylene glycol (PGI) or USP (food grade) propylene glycol soils intended for use in heating and secondary cooling systems as well as various deicing, defrosting, and dehumidifying applications. These widely a

o Energy applications o Line heaters ... For health and safety information or to request a Safety Data Sheet, contact our Dynalene sales representatives.-45&#176;C (-50&#176;F) to 90&#176;C (194&#176;F) ... Dynalene PG-V1 is an inhibited non-toxic propylene glycol heat transfer fluid which offers users a stable, safe, and efficient product for applications ...

For many years, monopropylene glycol (propylene glycol, MPG) has been the go-to heat transfer fluid for use in food and beverage manufacturing (or where there is a requirement for a non-toxic classification). Characteristically, propylene glycol-based coolants have a much lower capacity for efficient heat transfer, compared to the better performing, but ...

Nanofluids are promising heat transfer fluids for a wide range of energy management applications. Probe ultrasonication-mediated preparation of copper - propylene glycol nanofluid is ...

Coolflow DTX(TM) was introduced in 2010 as a high-performance non-toxic heat transfer fluid, suitable for replacing Propylene Glycol in process cooling systems. The ground-breaking coolant, formulated by glycol experts Hydratech, utilizes the performance benefits of Ethylene Glycol and the non-toxic safety of Propylene Glycol.

DOWFROST(TM) HD is a yellow-dyed, industrial-grade inhibited propylene glycol (PG) thermal fluid for heat transfer applications between -45&#176;C and 160&#176;C (-50&#176;F and 325&#176;F). Fulfilled By ...

o Thermal Energy Storage (TES) Should You Use DOWTHERM(TM) or DOWFROST(TM)? o Ethylene Glycol (EG) fluid characteristics o Moderately toxic but lower cost option o Propylene Glycol (PG) fluid characteristics o Essentially non-toxic o PG USP/FCC grade is approved by FDA as a direct food additive ... sale, disposal, and recycle of each product.

The company specialises in the production and sale of glycols, heat transfer fluids, antifreeze, corrosion protection and cooling brines. ... frost and anticorrosion protection and glycol. NSF-Certification Glysofor F is the favoured heat transfer medium used in the food and beverage industry. The NSF has certified the concentrate and ready ...



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MONO PROPYLENE GLYCOL USP 2/8 MONO PROPYLENE GLYCOL USP 01-2119456809-23-xxxx 57-55-6 Revision date: 25/04/24 3.1. Substances Product name REACH registration number CAS number EC number 200-338-0 SECTION 4: First aid measures 4.1. Description of first aid measures General information Get medical attention if any discomfort continues.

It is well known that concentrated glycol fluids including pure propylene glycol exhibit a viscosity profile that significantly ... promoting reduced operating energy costs. Storage, Handling & Environmental Aspects GEO-FLOTM SAFE is a non-flammable product with no flashpoint, ...

Chill-Pro HD propylene glycol is specially formulated to provide nonfood HVAC systems with superior corrosion protection for most metals, including brass, cast aluminum, cast iron, ...

The viscosity of nanofluids is lower than that of base fluid (propylene glycol) due to interactions between biosurfactant and propylene glycol. Our data clearly demonstrate that the use of 1 vol % copper - propylene glycol nanofluid as coolant can lead to 13.2% improvement in the rate of energy recovery from a constant-temperature hot bath ...

Propylene glycol is also used to create artificial smoke or fog used in fire-fighting training and in theatrical productions. Other names for propylene glycol are 1,2-dihydroxypropane, 1,2-propanediol, methyl glycol, and trimethyl glycol. Propylene glycol is clear, colorless, slightly syrupy liquid at room temperature.

DOWFROST 35% inhibited propylene glycol offers effective heat transfer over a wide temperature range: from 3 °F to 250 °F. ... Refrigeration Loop, Secondary Chill Loop, Solar Hot Water, Thermal Energy Storage, Winterizing: Temperature: 0 °F to 100 °F, 100 °F to 200 °F, 200 °F to 300 °F, 300 °F to 400 °F ... FDA GRAS and NSF HT1 ...

Propylene Glycol (PG), also referred to as Mono Propylene Glycol (MPG), has traditionally been selected for cooling and heating systems where a non-toxic classification is required. E.g. in food & beverage processing and where there are other environmental risk considerations - such as domestic solar thermal systems.

Glycols such as propylene glycol (PG), ethylene glycol (EG) and 1,3 propanediol are used for freeze protection below 32°F and can be used up to 350°F with a proper additive package. High-temperature fluids are normally used above ...

Inhibited propylene glycol based heat transfer fluid formulated with USP grade propylene glycol. Product is intended for use in facilities where the possibility of incidental food / beverage contact exists. INTERCOOL® P-323 is USDA approved and ...

Product type: Inhibited propylene glycol Color: Green-yellow Propylene glycol-based fluid pH of solution (50% glycol): 9.5-10.5 Reserve alkalinity (min): 15.0 ml Specific gravity (60/60°F): 1.053-1.063



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Operating temperature range: 0°&F to 325°&F for heat transfer Burst protection: Down to -60°&F Primary Chemistry: Propylene glycol

Propylene Glycol (sometimes referred to as PG) is water-soluble, synthetic, non-toxic and easily metabolized. One of the main reasons it replaces Ethylene Glycol in certain situations is because of its less toxic chemical nature makes it an excellent choice as a base glycol where there may be the possibility of contact with water sources, animal and livestock or environmentally sensitive ...

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