



PRODUCT DATA SHEET

EarthCare Glycol P

Product description

EarthCare Glycol P is a monopropylene glycol that offers a wide range of applications and provides long-lasting protection, reduced viscosity, increased heat capacity and thermal conductivity below the freezing point. The added inhibitor contains no substances classified as CMR, and the product is nitrite, amine, phosphate, borax and silicate free, which makes it gentle on pipes and pumps. The inhibitor provides excellent protection for aluminium, copper, alloys, iron and other metals, except zinc. The hot heat transfer fluid can dissolve zinc and should therefore not be used in galvanized pipes. The additives used also inhibit foaming and the growth of microorganisms. **EarthCare Glycol P** is based on recycled glycol, offering an environmental advantage in terms of CO₂ emission reduction compared to monopropylene glycols not produced from recycled raw material, which has been evaluated and established by RISE. **EarthCare Glycol P** is listed by both Byggarubedömningen and Sunda Hus and is available in standard concentrations of 30%, 40% as well as concentrate. **EarthCare Glycol P** can also be ordered in unique customized concentrations as well as with customer-specific delivery options. **EarthCare Glycol P** is uncolored, as color additives are not environmentally friendly. **After use, EarthCare Glycol P** is sent to Recyctec AB to enable further reuse or as hazardous waste for recycling.

Area of application

This product is designed to be used for all building and process applications. Air conditioning (HVAC), cooling and heat recovery systems, geothermal and geothermal heating, sprinkler systems and solar collectors. Also used in secondary cooling systems for leisure facilities such as ice rinks. Monopropylene glycol is low in toxicity which makes it suitable for use in the food industry in the above mentioned facilities.



Conc	Can 25 L	Barrel 208 L	IBC 1000 L
30%	Item no.: P30311	Item no.: P30211	Item no.: P30111
40%	Item no.: P40311	Item no.: P40211	Item no.: P40111
Conc	Item no.: P99311	Item no.: P99211	Item no.: P99111

Properties

Parameter	Unit	Value	Method
Color		Uncolored	
Density (20°C)	g/cm ³	1,04 - 1,13	ISO 12185
Boiling point	°C	> 140	ASTM D1120
Flashpoint	°C	> 110	ASTM D93
pH (50% vol. in water)		7-9	ASTM D1287

Freezing points

EarthCare vol% glycol	Freezing point -°C)	Method
30%	-14	ASTM D1177
35%	-19	ASTM D1177
40%	-22	ASTM D1177
45%	-27	ASTM D1177
50%	-36	ASTM D1177

Saturation properties EarthCare Glycol P

30% volume concentration

Temperature °C	Specific Heat kJ (kg) (K)	Density kg/m ³	Thermal conductivity W/mK	Viscosity mPa.s
0	3,880	1,037	0,416	7,811
30	3,980	1,023	0,449	2,673
60	4,007	1,006	0,471	1,298
100	4,026	0,985	0,490	0,511
130	4,113	0,963	0,492	0,355
160	4,189	0,944	0,489	0,272

Saturation properties EarthCare Glycol P

40% volume concentration

Temperature °C	Specific Heat kJ (kg) (K)	Density kg/m ³	Thermal conductivity W/mK	Viscosity mPa.s
0	3,670	1,049	0,375	12,498
30	3,8110	1,032	0,405	3,786
60	3,925	1,014	0,424	1,665
100	4,006	0,987	0,434	0,616
130	4,052	0,971	0,435	0,410
160	4,135	0,952	0,431	0,305

Storage

The product should be stored in a tightly sealed original container in a dry and cool place away from direct sunlight.

Features and functions stated in this product data sheet are to be understood as typical values and not as specifications.



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