



### Product Features

- Formulated using the highest quality virgin propylene glycol
- Premium corrosion inhibitor package to protect system metals
- Non toxic
- Readily biodegradable
- Built for cold climate use with a freeze point as low as -51°C

### Description

DYNAFROST is an inhibited propylene glycol based heat transfer fluid specifically designed to provide effective freeze and corrosion protection. Propylene glycol fluids have low acute oral toxicity and are often used in applications where incidental contact with food or beverage products may occur.

Recommended temperature range -51°C to 120°C. Please note that DYNAFROST is designed to protect aluminum components up to 65°C

### Product Properties

Appearance	Clear liquid
Specific Gravity, at 20°C	1.03-1.06 kg/L
Flash Point	100°C
Freeze Point, 1:1 dilution	-33°C

### Applications include

- HVAC
- Line heaters
- Radiant heating
- Thermal storage

### Available Packaging

20 L Pails  
 205 L Drums  
 1000 L Totes  
 Bulk tank trucks

### Typical Concentrations Required to Provide Freeze and Burst Protection

Temperature		Volume %	
C	F	Freeze Protection	Burst Protection
-7	20	18	12
-12	10	29	20
-18	0	36	24
-23	-10	42	28
-29	-20	46	30
-34	-30	50	33
-40	-40	54	35
-46	-50	57	35
-51	-60	60	35

NOTE: These figures are examples only and may not be appropriate to your situation. Generally, for an extended margin of protection, you should select a temperature in this table that is at least 3°C (5°F) lower than the expected lowest ambient temperature. Inhibitor levels should be adjusted for solutions of less than 30% glycol.

## Typical Freezing and Boiling Points

Propylene Glycol		Dynafrost		Freezing Point		Boiling Point		Degree Brix	Refractive Index
Wt %	Vol %	Wt %	Vol %	C	F	C @ 101 kPa	F @ 760 mmHg		22C (72 F)
0.0	0.0	0.0	0.0	0.0	32.0	100.0	212	0.0	1.3328
5.0	4.8	5.2	5.2	-1.6	29.1	100.0	212	4.8	1.3383
10.0	9.6	10.5	10.0	-3.3	26.1	100.0	212	8.4	1.3438
15.0	14.5	15.7	15.0	-5.1	22.9	100.0	212	12.9	1.3495
20.0	19.4	20.9	20.3	-7.1	19.2	100.6	213	15.4	1.3555
25.0	24.4	26.1	25.5	-9.6	14.7	101.1	214	19.0	1.3615
30.0	29.4	31.4	30.7	-12.7	9.2	102.2	216	22.0	1.3675
35.0	34.4	36.6	36.0	-16.4	2.4	102.8	217	26.1	1.3733
40.0	39.6	41.8	41.4	-21.1	-6.0	103.9	219	29.1	1.3790
45.0	44.7	47.0	46.7	-26.7	-16.1	104.4	220	31.8	1.3847
50.0	49.9	52.3	52.2	-33.5	-28.3	105.6	222	34.7	1.3903
55.0	55.0	57.3	57.5	-41.6	-42.8	106.1	223	38.0	1.3956
60.0	60.0	62.7	62.7	-51.1	-59.9	107.2	225	40.3	1.4008
65.0	65.0	68.0	68.0			108.3	227	42.1	1.4058
70.0	70.0	73.2	73.2			110.0	230	44.1	1.4104
75.0	75.0	78.4	78.4			113.9	237	46.1	1.4150
80.0	80.0	86.6	86.6			118.3	245	48.0	1.4193
85.0	85.0	88.9	88.9			125.0	257	50.0	1.4235
90.0	90.0	94.1	94.1			132.2	270	51.4	1.4275
95.0	95.0	99.3	99.3			154.4	310	52.8	1.4315



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