

WHITLAM

PRODUCT

SOLAR HI-TEMP Heat Transfer Fluid and Anti-Freeze Solution for HVAC, Potable Water, and Solar Systems.

TYPE

Nontoxic, Glycerin Based, Heat Transfer Fluid and Anti-Freeze Solution with special anti-corrosion inhibitors, and color indicators, that provides heat transfer up to 356°F (180°C), freeze protection to -15°F (-26°C) and burst protection to -50°F (-46°C).

RECOMMENDED USES

SOLAR HI-TEMP Heat Transfer Fluid and Anti-Freeze Solution provides optimal heat transfer, freeze and corrosion protection for water based systems without the risk of environmental contamination. **SOLAR HI-TEMP** Heat Transfer Fluid and Anti-Freeze Solution works excellent in:

- Drain Back Heating Systems
- Closed Loop Solar Systems
- Hydronic HVAC Systems
- Potable Water Lines
- Fire Sprinkler Systems

SOLAR HI-TEMP Heat Transfer Fluid and Anti-Freeze Solution is ready to use. No dilution is necessary to maintain maximum heat transfer and freeze protection. The formula provides an error free method to protect the system. **SOLAR HI-TEMP** Heat Transfer Fluid and Anti-Freeze Solution is suitable for use with continuous operating systems with temperatures up to 356°F (180°C), and will not degrade significantly from short term exposures to temperatures up to 450°F (232°C).

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SOLAR HI-TEMP

HEAT TRANSFER FLUID AND ANTI-FREEZE SOLUTION



SOLAR HI-TEMP Heat Transfer Fluid and Anti-Freeze Solution works excellent in optimizing heat transfer in drain back systems with vacuum tube solar collectors. It is nontoxic, nonflammable, and non-corrosive. **SOLAR HI-TEMP** Heat Transfer Fluid and Anti-Freeze Solution is also considered "Generally Recognized as Safe" by the Federal Food and Drug Administration.

SOLAR HI-TEMP is a Nontoxic, Glycerin Based, Heat Transfer Fluid and Anti-Freeze Solution with special anti-corrosion inhibitors, and color indicators, that provides heat transfer up to 356°F (180°C), freeze protection to -15°F (-26°C) and burst protection to -50°F (-46°C).

Product Stock Code	Size	Container	Items per Case	Case Weight	
				Lbs.	Kg.
SH1	1 Gallon (3.785 L)	Plastic Jug w/Spout	6	62	28.1
SH5	5 Gallon (18.9 L)	Pail w/Handle	1	51	23.1
SH55	55 Gallon (208 L)	55 Gallon Drum	1	580	263.1

Temperature (Celsius)	0	10	20	30	40	50	60	70	80	90
Viscosity of Solar Hi-Temp										
Centipoises	15.2	9.7	6.5	4.9	3.8	2.8	2.3	1.8	1.5	1.3
Heat Coefficient of Solar Hi-Temp										
Coefficient of Thermal Conductivity	0.00100	0.00102	0.00103	0.00105	0.00106	0.00108	0.00109	0.00111	0.00112	0.00114
K1=0.001+0.00000155 (t)										

Coefficient of Thermal Expansion (Gravimetric): 0.000515 at 20° C

Molar Heat of Solution: 973 Cal (4074 Joules)

Surface Tension: 65 dynes/cm at 20°C

Specific Gravity: 1.19 g/cm³

Boiling Point: 468° F (242° C)

Color: Deep Blue

pH: 5.8 ± 0.2



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The Industry Standard Over 100

The BOD5/COD ratio is >0.5 which suggests that this product is readily biodegradable. This normally allows the solution to be water flushed down sewers. Check with local ordinances and regulations in your area prior to disposal.

www.solarhitemp.com