

SOLAR HI-TEMP HEAT TRANSFER FLUID & ANTI-FREEZE SOLUTION SH-SPEC

PRODUCT DESCRIPTION

PRODUCT

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

DESCRIPTION

Nontoxic, Glycerin Based, Heat Transfer Fluid and Anti-Freeze Solution with special anti-corrosion inhibitors, and color indicators that provide 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:

- Closed Back Solar 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).

SOLAR HI-TEMP Heat Transfer Fluid and Anti-Freeze Solution is compatible to all types of approved piping including CPVC. **SOLAR HI-TEMP** Heat Transfer Fluid and Anti-Freeze Solution lubricates pumps, valves and moving parts. Will not harm plastic or rubber seals, o-rings, or gaskets.

SH-SPEC

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This product is manufactured in the U.S.A.

COLOR/CONSISTENCY

Blue liquid

ENVIRONMENTAL STATEMENT

SOLAR HI-TEMP Heat Transfer Fluid and Anti-Freeze Solution is nontoxic, nonflammable, and noncorrosive.

SOLAR HI-TEMP Heat Transfer Fluid and Anti-Freeze Solution is considered "Generally Recognized as Safe" by the Federal Food and Drug Administration.

SOLAR HI-TEMP Heat Transfer Fluid and Anti-Freeze Solution eliminates the possibility of contaminating domestic and potable water systems. **SOLAR HI-TEMP** Heat Transfer Fluid and Anti-Freeze Solution will not support bacterial growth.

APPLICATION PRECAUTIONS

SOLAR HI-TEMP Heat Transfer Fluid and Anti-Freeze Solution has a greater tendency to leak past faulty joints than water, so all leaks must be properly corrected.

LIMITATIONS

SOLAR HI-TEMP is virtually harmless to animals and plants, however the disposal should be in conformance with national, state and local health codes. Bio-degradation under aerobic static laboratory conditions is high (BOD20 or BOD28/ThOD greater than 40 percent). It is expected that bio-degradation will be achievable in a secondary wastewater treatment plant.

WEIGHT PER U.S. GALLON

9.79 lbs. (3.76 kg) ± 0.2

PACKAGING

U.S. Measure:

<u>Stock Code</u>	<u>Size</u>
Plastic Jug w/ Spout	
SH1	1 gal. (3.785 L)
5 Gallon Plastic Pail w/ Handle	
SH5	5 gal. (18.9 L)
55 Gallon Drum	
SH55	55 gal. (208 L)

SHIPPING WEIGHT PER CASE

<u>Stock Code</u>	<u>Case Weight</u>	<u>#/Case</u>
SH1	62 lbs. (28.1 kg)	6
SH5	51 lbs. (23.1 kg)	1
SH55	580 lbs. (263.1 kg)	1

DIRECTIONS FOR USE

1. Empty the entire system through faucets, petcocks, and other openings. Then close all openings.
2. Fill the entire system with **SOLAR HI-TEMP** Heat Transfer Fluid and Anti-Freeze Solution to obtain maximum protection. Do not dilute.
3. For circulating hot water heating systems and solar heating and cooling systems, **SOLAR HI-TEMP** Heat Transfer Fluid and Anti-Freeze Solution can remain in the system all year. Be sure to flush the system thoroughly of dirt, scale or oil prior to adding **SOLAR HI-TEMP** Heat Transfer Fluid and Anti-Freeze Solution.
4. Test the entire system for freeze protection and pH with **FREEZE-FIGHTER** Test Strips and pH meter or pH strips. Freeze protection should read -15°F (-26°C) ± 2.0°F (± 1.0°C), pH should read 5.2 - 6.5 (± 0.2).
5. Blue color will fade over time and may change color from blue to brownish red/orange. The change in the color is due to the biodegradability of the potable water compatible dyes in **SOLAR HI-TEMP**.
6. Replace the heat transfer solution with fresh **SOLAR HI-TEMP** if the system contains sludge or liquid in the system looks brackish. Clean system with **FLOW-AIDE** Biodegradable Cleaner/Descaler, then flush the system thoroughly before replacement.
7. Test the system annually.

 **WHITLAM**
P.O. Box 380
Wadsworth, Ohio 44282
Phone: 330-334-2524
Fax: 330-334-3005
Email: info@jcwhitlam.com
Website: www.joinpipe.com