



5 Gallons

Frost Free G-Green 100

Ethylene Glycol 100% Solution with Green Color

- Ready to Use 100% EG Concentrate
- Contains Neon Green Color
- Biodegradable

Frost Free is an industrial coolant and heat transfer fluid. Recommended for industrial applications and operating systems where it will NOT come in contact with food, beverages or potable water. It is biodegradable & excellent for HVAC systems of all kinds: thermal storage, water chillers, computer room cooling centers, solar systems, combined heating and cooling loops and radiant heating systems.



DANGER! POISON! MAY BE FATAL IF SWALLOWED.
DO NOT INHALE. DANGER! IF BREATHING IS DIFFICULT GIVE OXYGEN



KEEP OUT OF REACH OF CHILDREN



HAZARD STATEMENTS: May Cause Liver and Kidney Damage. Eye and Skin Irritant - May Cause Drowsiness or Dizziness. **CAUTION: EYES:** Causes eye irritation. **INHALATION:** Inhalation May be harmful if inhaled. Causes respiratory tract irritation. **SKIN:** May be harmful if absorbed through skin. Causes skin irritation. **INJECTION:** Toxic if swallowed. **PERSONAL PROTECTION:** Eyes: Wear chemical safety glasses or goggles. Inhalation: Provide local exhaust, preferably mechanical. If exposure levels are excessive, use an approved respirator. **SKIN:** Wear nitrile or rubber gloves, apron or lab coat. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. **FIRST AID: EYES:** Flush thoroughly with plenty of water for 15 minutes and get medical attention. **SKIN:** Wash thoroughly with soap and water. **INHALATION:** In case of respiratory difficulty, provide fresh air and call physician. **INGESTION:** Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. If conscious, wash out mouth with water. Get medical attention. Dispose of contents/container in accordance with applicable local/regional/national/international regulations.

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DETERMINE TOTAL SYSTEM CAPACITY

Measure length and diameter of all pipe in the system and then estimate the system's total fluid using the chart below.

TYPE "L" COPPER TUBING		STANDARD STEEL PIPE	
Tubing size (inches)	100 ft. of tubing	Tubing size (inches)	100 ft. of tubing
3/8	0.754	3/8	1.0
1/2	1.21	1/2	1.6
5/8	1.81	5/8	2.8
3/4	2.51	3/4	4.5
1	4.28	1	6.3
1-1/4	6.52	1-1/4	10.20
1-1/2	9.25	1-1/2	17.00
2	16.06	2	27.50

DIRECTIONS FOR READING THE SYSTEM: It is important to remove any dirt, oil or metal filings that may contaminate the cooling system's piping. Flush the system thoroughly using a mild cleaning solution or high-quality water. Completely drain before charging with Frost Free. **NOTE:** Cleaning new systems is just as important as cleaning old ones. New systems can be coated with oil or a protective film. Dirt and scale are also common. In many cases, for both old and new systems, special cleaners are needed to remove scale. For more information, contact ComStar at 1-800-328-0142.

Concentrations of Ethylene Glycol (EG) required to provide freeze protection and burst protection at various temperatures.		
Desired Temperature - Fahrenheit -	Percent EG Concentration Required By Volume	
	For Freeze Protection	For Burst Protection
20°	16%	11%
10	25	17
0	33	22
-10	39	26
-20	44	30
-30	48	30
-40	52	30
-50	56	30
-60	60	30

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 5° lower than the expected lowest ambient temperature. Inhibitor levels should be adjusted for solutions of less than 30% glycol. Galvanized steel is not recommended because zinc will react to inhibitors used in glycol-based chiller fluids, causing precipitation of components, possible fouling and decrease of heat transfer efficiency.

WARNING: The directions for the use of this product are based on the information known to ComStar International Inc. No warranty of any kind is made concerning the use of this product as the conditions under which this product will be used are beyond the control of ComStar. The user will assume all liability and risk resulting from handling, use or application.

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov
CONTENTS: Ethylene Glycol (CAS# 107-21-1), Food Grade Dye (CAS# N/A).

STOCK NO. 35-899
5 U.S. GALLONS
(19 LITERS)



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