

# CRYOTECH POLAR PLUS® LT

Type I Aircraft Deicing/Anti-icing Fluid

AMS 1424/1 Certified

## Why POLAR PLUS LT?

Polar Plus LT is a propylene glycol based Type I aircraft deicing fluid that exhibits Industry leading low Aquatic Toxicity and has the Lowest Operational Use Temperature (LOUT) in the Industry for a propylene glycol based fluid.

## BENEFITS

- Industry leading low Aquatic Toxicity
- Extremely low foaming fluid provides for easier handling and aids visual contamination checks
- Easy to apply with existing equipment
- Even dispersal for superior wetting
- Dilutes to required temperature for economical savings

## PERFORMANCE

- Two year product warranty (original sealed container; stored within temperature storage limits)
- Lowest Operational Use Temperature (LOUT) in the Industry for a propylene glycol based fluid
  - LOUT of -27°F (-33°C) at a 63% Polar Plus LT/37% water dilution

## ENVIRONMENT

- Aquatic toxicity:

Aquatic Species	Test Duration Hours	LC50 Concentrate Fluid mg/L	Test Method
Pimephales promelas	96	45,400	EPA 40CFR797.1400
Ceriodaphnia dubia	48	21,800	EPA 40CFR136.3
Daphnia magna	48	28,000	EPA 40CFR797.1300

- Triazole free
- Does not contain nonylphenol ethoxylate surfactants
- Readily biodegradable
- Classified as non-hazardous



## CRYOTECH POLAR PLUS® LT PRODUCT SPECIFICATIONS

COMPOSITION	APPEARANCE	DENSITY	VISCOSITY
Contains minimum 88% propylene glycol	Orange liquid	At 68°F (20°C) = 8.69 lbs/US gallon	Brookfield LVDV-1, Spindle No. LV1 @ 12rpm @ 68°F (20°C) = 34 cPs
FREEZING POINT		FLASH POINT	STORAGE STABILITY
100/0 = Below -76°F (-60°C) 50/50 = Not higher than -17.3°F (-27.4°C)		Not lower than 212°F (100°C)	2 years under normal storage conditions
BRIX	TYPICAL pH	REFRACTIVE INDEX	SPECIFIC GRAVITY
At 68°F (20°C) = 51.4 - 52.8	At 68°F (20°C) = 8.2 - 9.2	At 68°F (20°C) = 1.4230 - 1.4260	At 68°F (20°C) = 1.043
PACKAGING		HANDLING	
55 gallon drums (208 liters) - 4 drum minimum 265 gallon tote (1003 liters) - 1 tote minimum Bulk - 5000 gallons minimum		<ul style="list-style-type: none"> <li>Avoid contact with skin and eyes</li> <li>Avoid breathing mists/vapors when spraying</li> <li>Keep in tightly sealed containers, away from direct heat, sunlight, and strong oxidizing agents</li> <li>Store away from extreme temperatures; below -50°F (-45°C) or above 140°F (60°C)</li> <li>Contact Cryotech for advice on bulk and/or heated storage</li> </ul>	

### TO ORDER OR FOR PRODUCT INFORMATION CONTACT:

Ph: +1 319.372.6012 or +1 800.346.7237 Fax: +1 319.372.2662 E-mail: [deicers@cryotech.com](mailto:deicers@cryotech.com)

Cryotech Deicing Technology . 6103 Orthoway . Fort Madison, IA 52627 . [www.cryotech.com](http://www.cryotech.com)

Form #MKT6000 Rev. 8/1/2020