

# POLAR PLUS<sup>®</sup> LT

## Type I Aircraft Deicing/Anti-icing Fluid

AMS 1424/1 Certified



### 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 propylene glycol based fluid
  - LOUT of -27.4°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

### HANDLING

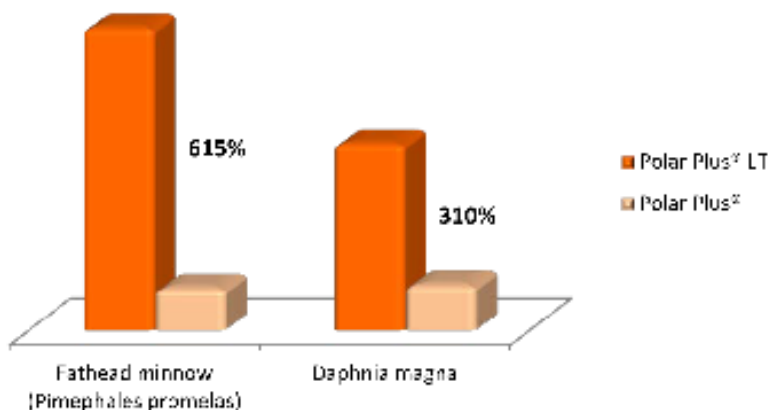
- Avoid contact with skin and eyes
- Avoid breathing mists/vapors when spraying
- Keep in tightly sealed containers, away from direct heat, sunlight, and strong oxidizing agents
- Store away from extreme temperatures; below -50°F (-45°C) or above 140°F (60°C)
- Contact Cryotech for advice on bulk and/or heated storage

See Reverse Side For Product Specifications  
 Test Data Available Upon Request  
 ISO 9001:2015 & 14001:2015 CERTIFIED COMPANY

# PRODUCT SPECIFICATIONS - POLAR PLUS<sup>®</sup> LT

COMPOSITION	Contains minimum 88% propylene glycol
APPEARANCE	Orange liquid
DENSITY	At 68°F (20°C) = 8.69 lbs/US gallon
VISCOSITY	Brookfield LVDV-1, Spindle No. LV1 @ 12rpm @ 68°F (20°C) = 34 cPs
FLASH POINT	Not lower than 212°F (100°C)
FREEZING POINT	100/0 = Below -76°F (-60°C) 50/50 = Not higher than -17.3°F (-27.4°C)
REFRACTIVE INDEX	At 68°F (20°C) = 1.4230 - 1.4260
BRIX	At 68°F (20°C) = 51.4 - 52.8
STORAGE STABILITY	2 years under normal storage conditions
TYPICAL pH	At 68°F (20°C) = 8.2 - 9.2
SPECIFIC GRAVITY	At 68°F (20°C) = 1.043
PACKAGING	55 gallon drums (208 liters) - 4 drum minimum 265 gallon tote (1003 liters) - 1 tote minimum Bulk - 5000 gallons minimum

**Percentage improved in Aquatic Toxicity (LC50) over Polar Plus**



**TO ORDER OR FOR PRODUCT INFORMATION CONTACT:**

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