

POLAR PLUS[®]

Type I Aircraft Deicing/Anti-icing Fluid

AMS 1424 Certified



BENEFITS

- Certified propylene glycol based Type I aircraft deicing/anti-icing fluid
- 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)
- Exhibits a Lowest Operational Use Temperature (LOUT) of -25.6°F (-32°C) at a 63% Polar Plus/37% water dilution
- Exhibits a Lowest Operational Use Temperature (LOUT) of -10.0°F (-23.4°C) at a 55% Polar Plus/45% water dilution

ENVIRONMENT

- Triazole free
- Does not contain nonyl phenol ethoxylate surfactants
- Aquatic Toxicity:

Aquatic Species	Test Duration Hours	LC50 Concentrate Fluid mg/L	Test Method
Pimephales promelas	96	6350	EPA 40CFR797.1400
Daphnia magna	48	6825	EPA 40CFR797.1300

- 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 9001:2008 & 14001:2004 CERTIFIED COMPANY

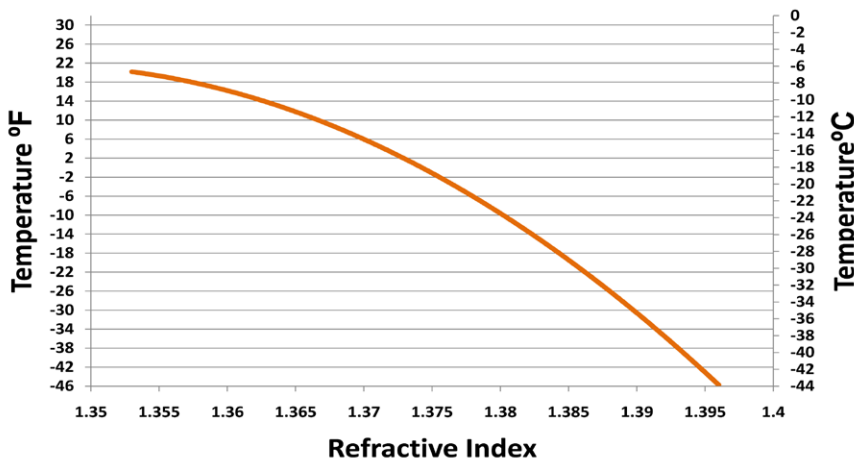


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PRODUCT SPECIFICATIONS - POLAR PLUS®

COMPOSITION	Contains minimum 88% propylene glycol
APPEARANCE	Orange liquid
DENSITY	At 68°F (20°C) = 8.688 lbs/US gallon
VISCOSITY	Brookfield LVDV-1, Spindle No. LV1 @ 12rpm @ 68°F (20°C) = 25 cPs
FLASH POINT	Not lower than 212°F (100°C)
FREEZING POINT	100/0 = Below -76°F (-60°C) 50/50 = Not higher than -17.2°F (-27.2°C)
REFRACTIVE INDEX	At 68°F (20°C) = 1.4230 - 1.4260
SURFACE TENSION	At 68°F (20°C) = 37 dynes/cm
STORAGE STABILITY	2 years under normal storage conditions
TYPICAL pH	At 68°F (20°C) = 8.3 - 9.3
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

**Freezing Point vs. Refractive Index
@ 68°F (20°C)**



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

**Cryotech Deicing Technology . 6103 Orthoway . Fort Madison, IA . 52627
WWW.CRYOTECH.COM**



ISO 14001
EMS 89384



ISO 9001
FM 39092