

POLAR GUARD® ADVANCE

Type IV Aircraft Deicing/Anti-icing Fluid

AMS 1428 Certified



BENEFITS

- Certified propylene glycol based Type IV aircraft deicing/anti-icing fluid
- Long Hold Over Times in all weather conditions
- Lowest LOU^T in the Industry
- Low viscosity provides for easier handling and application
- Dedicated technical support; experienced with product transitions

PERFORMANCE

- Superior sprayability
- Lowest Operational Use Temperature (LOU^T) is -22.9°F (-30.5°C)
- Two year product warranty (original sealed container; stored within temperature storage limits)

APPLICATION

- Critical surfaces: 1.0 - 1.5 liters per m² (1.0 - 1.5 mm)

ENVIRONMENT

- Triazole free
- Does not contain nonyl phenol ethoxalate 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
- Do not store in extreme temperatures; below -20°F (-30°C) or above 122°F (50°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

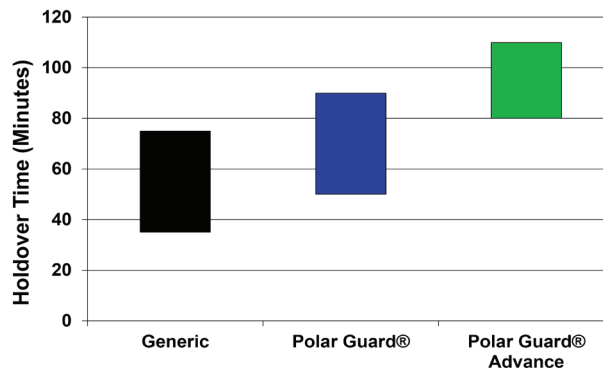


PRODUCT SPECIFICATIONS

POLAR GUARD[®] ADVANCE

COMPOSITION	Contains minimum 50% propylene glycol						
APPEARANCE	Semi-transparent, green color						
DENSITY	At 68°F (20°C) = 8.66 lbs/US gallon						
VISCOSITY*	<table border="0"> <tr> <td>Minimum on-wing</td> <td>4,050 cPs</td> </tr> <tr> <td>In Service Limits</td> <td>4,050 - 16,200 cPs</td> </tr> <tr> <td>Production Specifications</td> <td>12,000 - 16,200 cPs</td> </tr> </table> <p>*Brookfield LVT, Spindle No. 1 @ 0.3 rpm @ 68°F (20°C)</p>	Minimum on-wing	4,050 cPs	In Service Limits	4,050 - 16,200 cPs	Production Specifications	12,000 - 16,200 cPs
Minimum on-wing	4,050 cPs						
In Service Limits	4,050 - 16,200 cPs						
Production Specifications	12,000 - 16,200 cPs						
FLASH POINT	Not lower than 212°F (100°C)						
FREEZING POINT	<table border="0"> <tr> <td>100/0 = Below -34.6°F (-37°C)</td> </tr> <tr> <td>50/50 = 13°F (-10.6°C)</td> </tr> </table>	100/0 = Below -34.6°F (-37°C)	50/50 = 13°F (-10.6°C)				
100/0 = Below -34.6°F (-37°C)							
50/50 = 13°F (-10.6°C)							
TEMPERATURE STORAGE LIMITS	<table border="0"> <tr> <td>Minimum -20°F (-30°C)</td> </tr> <tr> <td>Maximum 122°F (50°C)</td> </tr> </table>	Minimum -20°F (-30°C)	Maximum 122°F (50°C)				
Minimum -20°F (-30°C)							
Maximum 122°F (50°C)							
REFRACTIVE INDEX	At 68°F (20°C) = 1.3915 ± 0.0015						
SURFACE TENSION	At 68°F (20°C) = 31.3 dynes/cm						
STORAGE STABILITY	2 years in the original sealed container when stored within temperature storage limits						
TYPICAL pH	At 68°F (20°C) = 6.9 ± 0.5						
SPECIFIC GRAVITY	At 68°F (20°C) = 1.040 ± 0.015						
PACKAGING	55 gallon drums (208 liters) - 4 drum minimum 265 gallon tote (1003 liters) - 1 tote minimum Bulk - 5000 gallons minimum						

**Snow/Snow Grains 27°F (-3°C) and Above
100/0**



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