

INNOVATIVE STRIDES IN CHALLENGING TIMES

SPEC:

CRYOTECH NX360™

INNOVATIVE, NEW LIQUID RUNWAY DEICER
MADE WITH DUPONT TATE & LYLE SUSTERRA® PROPANEDIOL



Cryotech has developed a new deicer for the upcoming 2008-2009 winter season in response to the Potassium Acetate Deicer shortage. Cryotech NX360™ is a bio-based liquid runway deicer formulated for use where the outdoor air temperature (OAT) is 10°F (-12°C) or above on a routine basis. There are no anticipated differences in handling, pumping, and spraying between NX360 and Cryotech E36® at or above 10°F (-12°C), but below these temperatures Cryotech suggests special storage and handling for NX360. Please contact Cryotech for more in depth information on these special requirements. NX360 and E36 can be mixed at any ratio on pavement or in tanks. NX360 does not contain any corrosion inhibitors and is free of triazole (TTZ), ethoxylated compounds, nitrites, and nitrates.

PERFORMANCE

- Exhibits anti-icing characteristics as well as E36 (SHRP-H-332)
- Can be used at low temperatures (10°F / -12°C)
- Meets required AMS 1435 specification

ENVIRONMENT

- Contains Susterra® propanediol, the bio-based component of NX360, which notably reduces energy use and greenhouse gas emissions over traditional propylene glycol formulations
- Readily biodegradable
- Recognized as “relatively harmless” by the U.S. Fish and Wildlife scale

APPLICATION

- Anti-icing: 0.5 gallons/1000ft² (25g/m²)
- Deicing: 1 - 3 gallons/1000ft² (50 g/m²) near 32°F (0°C) on thin ice
Below 15°F (-9°C), NX360 must be used in conjunction with a solid deicer such as Cryotech NAAC®
- Prewetting: apply using a rate at the spreader outlet of 1.25 gallons per 100 lbs (130g/kg) of solid deicer
- Re-apply when new accumulation shows first tendency to bond
- Plow often to reduce fluid dilution
- Easy to apply with existing equipment

STORAGE AND HANDLING

- NX360 should not be stored or plumbed through systems that use galvanized, zinc, or brass components
- If temperatures fall below 10°F (-12°C), even for a short time, special storage and handling will be needed
- Polyethylene containers are preferred, otherwise use carbon, low alloy, or stainless steel containers
- Best practices include storing totes and drums in areas protected from weather and exposure to direct sunlight
- Containers must be clean and free of rust, surface deposits, and residues



ISO 9001
FM 39092



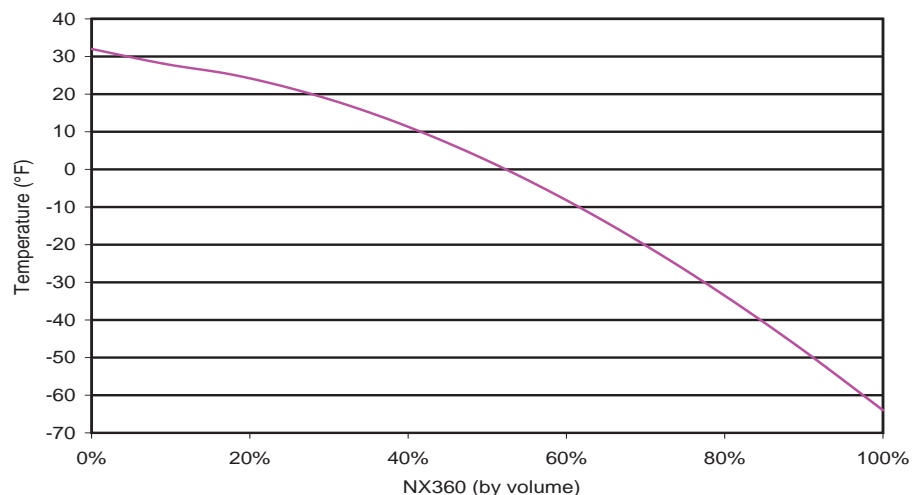
ISO 14001
EMS 89384

PRODUCT SPECIFICATIONS - CRYOTECH NX360™

COMPOSITION	Aqueous solution, containing sodium acetate and Susterra® propanediol
APPEARANCE	Clear*, mobile liquid, free from matter in suspension
DENSITY	At 68°F (20°C) = 9.25 lbs/gal (1.11 g/cm ³)
VISCOSITY	At 68°F (20°C) = 20cp maximum At 32°F (0°C) = 70cp maximum
FLASH POINT	Nonflammable
FREEZING POINT	<-60°F (-51°C)** **Crystallization will occur below 10°F (-12°C)
MISCIBILITY WITH WATER	Complete
TYPICAL pH	9 to 11
SPECIFIC GRAVITY	At 68°F (20°C) = 1.08 to 1.13
PACKAGING	55 gallon drums (208 liters) - (4 minimum) 265 gallon tote (1003 liters) - (1 minimum) Bulk (4400 gallons minimum) *MAY BE DYED BLUE AT CUSTOMER REQUEST

CRYOTECH NX360™ FREEZE POINT CHART

Cryotech NX360™ Freeze Point



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TO ORDER OR FOR PRODUCT INFORMATION CONTACT:
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