

ORISON

IceClear® LavFluid

DESCRIPTION

IceClear® LavFluid (LF) represents a new class of environmentally friendly winterized lavatory fluids which includes ATD, an SAE AMS 1476B deodorant. IceClear® LF was designed for aircraft use but is suitable for other market applications including rail, mass transit, marine, recreational vehicle and portable toilets. The unique features and benefits of IceClear® LF make it an ideal environmentally sensitive alternative to traditional glycol based winterized lavatory fluids.



BIOBASED!

IceClear® LF is composed primarily of natural ingredients based on abundant and renewable agricultural feedstock materials that are cost effective and readily available. IceClear® LF readily biodegrades into carbon dioxide and water in a controlled, environmentally friendly manner.

Unlike ethylene glycol-based fluids, IceClear® LF is non-toxic and non-hazardous to plant and animal life. Compared to propylene glycol, IceClear® LF has a lower Biochemical Oxygen Demand (BOD) and biodegrades at a rate that is more environmentally friendly and less taxing on waste water treatment systems.

FEATURES & BENEFITS

High Performance

- Provides long-lasting odor control
- Non-staining dye provides deep-blue color
- Non-corrosive to aircraft metals
- Low freezing point of -22° F(-30°C)
- ATD Additive Meets SAE AMS 1476B

Safe To Use

- Non-toxic
- Non-flammable and non-combustible
- No OSHA hazardous components
- Non-corrosive
- Neutral pH
- Pleasant odor

Environmentally Friendly

- No Volatile Organic Compounds (VOCs)
- No Hazardous Air Pollutants (HAPs)
- No SARA Title III reportable materials
- No glycols or alkylphenol ethoxylates
- Bio-based and readily biodegradable
- Low BOD: 25-50% less than PG solution of comparable freezing point

LavFluid has been tested and conforms to all SAE AMS 1476 materials compatibility and corrosion requirements.

TYPICAL PROPERTIES

Appearance.....	Dark Blue Liquid
Odor.....	Mild, Pleasant
Specific Gravity	@1.1
Pounds Per Gallon.....	9.6
Flash Point, COC	None
Freezing Point	-22°F(-30°C)
Fluid pH.....	7.0
BOD ₅ , g O ₂ /g.....	0.39
TOD, g O ₂ /g	0.64

AVAILABLE QUANTITIES

IceClear® LF is supplied in convenient ready-to-use form in 55-gal drums, 275-gal totes, bulk tank trucks and railcars. No mixing is required.

GREEN INITIATIVE CHEMISTRY

HMIS	
HEALTH	0
FLAMMABILITY	0
INSTABILITY	0
SPECIFIC	0