

ORISON

Blue Juice® LavFluid

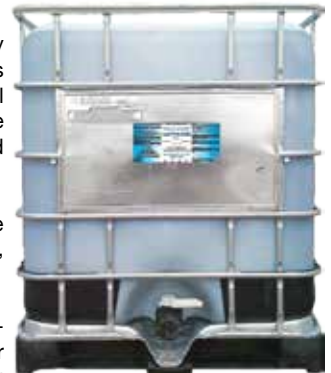
**GREEN INITIATIVE
CHEMISTRY**

DESCRIPTION

Blue Juice® LavFluid (LF) is the premier fully formulated, ready-to-use, environmentally friendly winterized lavatory fluid which combines an SAE AMS 1476 deodorant package with a biobased antifreeze. Blue Juice® LF was designed for aircraft use but is suitable for other market applications including rail, mass transit, marine, recreational vehicle and portable toilets. It is a fully formulated, ready-to-use product - NO mixing required! The patented unique features and benefits of Blue Juice® LF make it an ideal environmentally sensitive alternative to traditional glycol and acetate based winterized lavatory fluids.

Blue Juice® LF is composed primarily of natural ingredients that are cost effective and readily available. Blue Juice® LF is a certified 100% biobased, USDA BioPreferred® product and readily biodegrades in a controlled, environmentally friendly manner.

Blue Juice® LF does not contain corrosive salts and, unlike ethylene glycol-based fluids, Blue Juice® LF is non-toxic and non-hazardous to plant and animal life. Compared to propylene glycol, Blue Juice® 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.



Blue Juice LavFluid has been tested and conforms to all SAE AMS 1476 and Boeing D6-17487 materials compatibility and corrosion requirements and is a U.S. Air Force Approved LavFluid.

FEATURES & BENEFITS

High Performance

- Provides long-lasting odor control
- Non-staining dye provides deep-blue color
- Non-corrosive to aircraft metals
- Meets SAE AMS 1476 materials compatibility and corrosion requirements
- Meets Boeing D6-17487
- Meets Airbus AIMS09-00-002
- Deodorant Additive Also Certified to SAE AMS 1476

Safe To Use

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

Environmentally Friendly

- USDA BioPreferred® Product
- No Volatile Organic Compounds (VOCs)
- No Hazardous Air Pollutants (HAPs)
- No SARA Title III reportable materials
- No glycols or alkylphenol ethoxylates
- Readily biodegradable

TYPICAL PROPERTIES

Appearance.....Dark Blue Liquid
 Odor.....Mild, Pleasant
 Specific Gravity@1.1
 Lbs./Gallon (Winter Blend)9.6
 Flash Point, COCNone
 Freezing Point (Winter Blend)....-22°F(-30°C)
 Fluid pH.....7.0
 BOD5, g O2 /g.....0.39
 TOD, g O2 /g0.64

Blue Juice® LavFluid WINTER Blend		
PACKAGING	PN	NSN
55 Gallon Drum	ICLF-55-W	6850-01-607-6624
275 Gallon Tote	ICLF-275-T-W	6850-01-661-2029
Bulk (>4000 GL)	ICLF-BULK-W	6850-01-661-2036
Blue Juice® LavFluid SUMMER Blend		
55 Gallon Drum	ICLF-55-S	6850-01-661-2032
275 Gallon Tote	ICLF-275-T-S	6850-01-661-2033
Bulk (>4000 GL)	ICLF-BULK-S	6850-01-661-2037



GSA Contract # GS-07F-0341N



US Patents

One or more claims of US Patent No. 6,890,451 and 7,270,768.

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