

# ORISON

## Blue Juice® LavFluid

**GREEN INITIATIVE  
CHEMISTRY**

### DESCRIPTION

Blue Juice® LavFluid (LF) represents a new class of environmentally friendly winterized lavatory fluids which includes an SAE AMS 1476 deodorant. 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 a patented product 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 as well as Air Force Air Mobility Command Instruction 24-101, Vol. 10, 27 April 2016, page 13 authorizes the use of Blue Juice® 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 1476B materials compatibility and corrosion requirements
- Meets Boeing D6-17487
- Meets Airbus AIMS09-00-002
- Deodorant Additive Certified to SAE AMS 1476C

#### 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, COC .....None  
 Freezing Point (Winter Blend)....-22°F(-30°C)  
 Fluid pH.....7.0  
 BOD5, g O2 /g.....0.39  
 TOD, g O2 /g .....0.64

<i>Blue Juice® LavFluid WINTER Blend</i>		
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
<i>Blue Juice® LavFluid SUMMER Blend</i>		
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	6850-01-661-2031

GSA Contract # GS-07F-0341N



US Patents

One or more claims 5,876,621; 5,980,774; 6,506,318; 6,890,451; 7,270,768 and issued and pending continuations thereof.