



SAFEWING™ MP I LFD 88

FAA-ALIGNED TYPE I AIRCRAFT DEICING FLUID

PROPYLENE GLYCOL • SAE AMS 1424



- ✈️ COMMERCIAL AVIATION
- 🛡️ MILITARY AIRFIELDS
- ⚙️ GROUND OPERATIONS
- ❄️ AIRCRAFT WINTER READINESS
- 🏠 AIRPORT DEICING OPERATIONS

1 AVIATION WINTER OPERATIONS SUPPORT

For more than 25 years, FYVE STAR, Inc. has supported government, military, and aviation operational environments through aircraft deicing systems, operational winter support, and aviation readiness programs throughout the United States.

We have supported military installations, airport operational environments, government winter operations, and aviation support programs through contract-based procurement, logistics coordination, and operational material support.

We have worked directly with contracting officers and procurement specialists to help support operational continuity, aviation readiness, and mission-critical winter operations.



2 SAFEWING™ MP I LFD 88 TYPE I AIRCRAFT DEICING FLUID SAE AMS 1424

Safewing™ MP I LFD 88 is a propylene glycol-based Type I aircraft deicing fluid designed for effective removal of frost, snow, and ice from aircraft surfaces during aviation winter operations.

Manufactured by Clariant Corporation, Safewing™ MP I LFD 88 meets and exceeds minimum SAE AMS 1424 requirements and is designed for demanding aviation operational environments.

"LFD" stands for Low Foaming Deicer.

KEY PRODUCT PROPERTIES

- ✓ Propylene glycol based
- ✓ Low foaming technology
- ✓ Readily biodegradable
- ✓ GHS label free
- ✓ Low surfactant concentration
- ✓ Free of triazoles and fluorinated compounds like PFAS according to manufacturer technical data

3 KEY FEATURES

- ✓ SAE AMS 1424 compliant
- ✓ Type I aircraft deicing fluid
- ✓ Designed for aviation operational environments
- ✓ Low foaming operational profile
- ✓ Readily biodegradable
- ✓ Supports winter operational readiness
- ✓ Strong compatibility with aviation operational environments
- ✓ Available in dilution ratios based on operational requirements



DESIGNED FOR SAFETY,
PERFORMANCE AND
ENVIRONMENTAL
RESPONSIBILITY

4 OPERATIONAL APPLICATIONS



Safewing™ MP I LFD 88 supports:

- Aircraft surface deicing
- Military airfield operations
- Ground support operations
- Severe weather operational support
- Commercial aviation operations
- Airport winter readiness
- Aircraft servicing operations

OPERATIONAL CONSIDERATIONS

Operational performance may vary depending on:



5 PERFORMANCE & STORAGE

PERFORMANCE HIGHLIGHTS

According to manufacturer technical data:

- High Speed Ramp (LOUT):
-33°C / -27°F at 65/35 dilution
- Low Speed Ramp (LOUT):
-26°C / -15°F at 65/35 dilution
- Shelf Life:
3 years with option for extension

STORAGE GUIDANCE

- Stainless steel storage preferred
- Fluid should remain tightly sealed
- Avoid overheating above 90°C (194°F)
- Lowest recommended storage temperature: -40°C (-40°F)

Safewing™ MP I LFD 88 demonstrates Newtonian flow behavior and may be transferred using commercially available pumping systems.

6 WHY SAFEWING™ MP I LFD 88?

Safewing™ MP I LFD 88 is commonly selected in aviation environments for:

- ✓ Effective frost and ice removal
- ✓ Low foaming operational performance
- ✓ Readily biodegradable characteristics
- ✓ Reduced environmental considerations
- ✓ Strong compatibility with aviation operational environments
- ✓ Reliable cold-weather operational performance

Selection of aircraft deicing fluids may depend on:

- Weather conditions
- Airfield operational priorities
- Aircraft operational requirements
- Application procedures
- Storage and handling preferences



FAA-ALIGNED AVIATION SUPPORT

FYVE STAR supports aviation winter operations through sourcing, logistics coordination, and operational support aligned with modern aviation deicing requirements.

SUPPORT AREAS MAY INCLUDE:

- Commercial airports
- Military aviation operations
- Ground support operations
- Aircraft winter operations
- Airfield operational environments
- Aviation infrastructure support

AVAILABLE DOCUMENTATION

- Technical Data Sheet (TDS)
- SDS Documentation
- Product Information
- Operational Support Information
- Quote Requests

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25+ YEARS OF EXPERIENCE.

STRONG PARTNERSHIPS.

MISSION-READY SOLUTIONS.

