



SAFEWING™ MP IV LAUNCH

FAA-ALIGNED TYPE IV AIRCRAFT
DEICING / ANTI-ICING FLUID

PROPYLENE GLYCOL • SAE AMS 1428



- ✈️ 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 materiel 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 IV LAUNCH TYPE IV AIRCRAFT DEICING / ANTI-ICING FLUID SAE AMS 1428

Safewing™ MP IV Launch is a propylene glycol-based Type IV aircraft deicing / anti-icing fluid designed to meet or exceed minimum SAE AMS 1428 requirements. It delivers excellent wetting, low foaming, and long-term storage stability.

Safewing™ MP IV Launch may only be pumped with positive displacement pumps. It can be used neat or diluted with water in a 75/25 or 50/50 ratio for operational flexibility across a wide range of winter conditions.

KEY PRODUCT PROPERTIES

- ✓ Propylene glycol based
- ✓ Excellent wetting performance
- ✓ Low foaming
- ✓ Long-term storage stability
- ✓ 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 1428 compliant
- ✓ Type IV aircraft deicing / anti-icing fluid
- ✓ Designed for aviation operational environments
- ✓ Outstanding brand-specific holdover times
- ✓ Ready for use neat or diluted (75/25 or 50/50)
- ✓ Supports winter operational readiness
- ✓ Strong compatibility with aviation operational environments
- ✓ Excellent low temperature performance



**DESIGNED FOR SAFETY,
PERFORMANCE AND
ENVIRONMENTAL
RESPONSIBILITY**

4 OPERATIONAL APPLICATIONS



Safewing™ MP IV Launch supports:

- Aircraft deicing & anti-icing
- Airport winter readiness
- Commercial aviation operations
- Severe weather operations
- Military airfield operations
- Long holdover protection
- Ground support operations
- Aircraft protection in all phases

OPERATIONAL CONSIDERATIONS

Operational performance may be affected by:



5 PERFORMANCE & STORAGE PERFORMANCE HIGHLIGHTS

According to manufacturer technical data:

- 🕒 Outstanding holdover time (See current FAA / TC Holdover Time Guidelines)
- 🚰 Ready to use: Neat, 75/25, 50/50 dilution with water
- 📅 Shelf Life: 2 years with option for extension

STORAGE GUIDANCE

- Store in stainless steel or HDPE (UV protected) containers (aluminum or epoxy coated steel as alternative)
- Avoid prolonged storage above 60°C (140°F)
- Lowest recommended storage temperature: -20°C (-4°F)
- Keep containers tightly closed

Safewing™ MP IV Launch is characterized as Non-Hazardous (GHS label free) and has low environmental impacts when disposed properly when possible.

6 WHY SAFEWING™ MP IV LAUNCH?

Safewing™ MP IV Launch is commonly selected in aviation environments for:

- ✓ Excellent wetting for fast, complete coverage
- ✓ Long holdover times for extended protection
- ✓ Low foaming for equipment compatibility
- ✓ Readily biodegradable characteristics
- ✓ Reduced environmental considerations
- ✓ Strong compatibility with aviation operational environments
- ✓ Reliable performance across a range of winter conditions

Selection of aircraft deicing / anti-icing 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 specialized logistics, material solutions, and proven products aligned with modern aviation deicing and anti-icing requirements.

SUPPORT AREAS WE CAN DELIVER:

- ✈️ Commercial airports
- ✈️ Aircraft winter operations
- 🛡️ Military airfield operations
- ❄️ Avfield operational readiness
- ⚙️ Ground support operations
- 🛫 Aviation infrastructure support

AVAILABLE DOCUMENTATION

- 📄 Technical Data Sheet (TDS)
- 📄 SDS Documentation
- 📄 Product Information
- 📄 Operational Support Information
- 📄 Regulatory Guidance

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