

SOLBERG® AVIGARD™ 3B & 6B

ICAO LEVEL "B" CERTIFIED
FLUORINE-FREE FOAM
CONCENTRATES



FAST FACTS

- Breakthrough fluorine-free formulation for the aviation market
- Fresh & salt water compatible
- No PBT profile
- Newtonian (low viscosity) flow characteristics
- Fast knockdown & extinguishing performance
- Excellent burnback and vapour suppression performance
- Environmentally responsible and readily biodegradable
- Lower disposal costs
- Compatible with ARFF equipment



DESCRIPTION

SOLBERG® AVIGARD™ Fluorine-Free Foam Concentrates are a state-of-the-art fluorine-free, low viscosity aviation foam technology designed for extinguishing and securing flammable aviation fuel spills and fires (Jet A and Jet A1). A special combination of hydrocarbon surfactants and additives delivers excellent foaming, extinguishment and burnback properties to firefighting foams using either fresh water or sea water. SOLBERG AVIGARD foam concentrates contain no added PFAS chemicals and can be considered as readily and rapidly biodegradable.

APPLICATIONS

The SOLBERG AVIGARD line features a special formulation designed to meet or exceed ICAO regulations with excellent performance on Jet A/Jet A1 fuel – with high fluidity and slow drainage. They may be used with low expansion foam equipment (nozzles and monitors) and medium expansion foam devices to fight fires involving Class B hydrocarbon fuel fires.

CERTIFICATION

- ICAO -Level B

SOLBERG AVIGARD 3B and 6B has approval certification according to International Civil Aviation Organization (ICAO) Airport Service Manual (DOC 9137-AN/898) Part 1 -Rescue and Firefighting -Level B.

USAGE RATE

The proportioning rate is either 3% or 6%. SOLBERG AVIGARD foam concentrate is compatible with fresh and salt water.

SPECIFICATIONS

TYPICAL PROPERTIES	3B	6B
Specific gravity @ 20°C	1.06 ± 0.03	1.05 ± 0.03
pH @ 20°C	7.5 ± 0.5	7.5 ± 0.5
*Viscosity, mPa.s/cPs @ 20°C	< 30	< 10
@ 0°C	< 50	< 25
Freezing point, °C	< -5°C	< 0°C
Lowest temperature for use, °C	-5°C	0°C

* Brookfield cone/plate"

FOAM PROPERTIES	3B	6B
Dilution rate	3%	6%
Surface tens. at 20°C, mN/m (Demineralised water)	<25	<25
Low expansion foam (UNI-86)		
Foam expansion index	>8.0	>8.0
25% Drainage time, mins	>3:00	>3:00

INSPECTION

SOLBERG AVIGARD or a premix solution should be tested annually per National Fire protection Association (NFPA 11) and EN-13565-2 standards. A sample of the foam sent to the manufacturer or qualified third party lab to confirm physical properties and foam quality meet the specifications of the foam as originally supplied as per the requirements of NFPA 11 and EN-13565-2.

STORAGE/MATERIAL COMPATIBILITY

SOLBERG AVIGARD should ideally be stored between 0°C and +50°C, preferably in the original containers. SOLBERG AVIGARD foam concentrates have been successfully tested and verified under temperature conditioning at -30 °C. Completing multiple stability cycles of freeze–thaw cycles with no adverse effects observed. SOLBERG AVIGARD foam concentrates are not affected by freeze–thaw conditions and will return to their original, effective state upon thawing without any degradation in performance. SOLBERG AVIGARD is compatible with multiple materials of construction found in firefighting equipment. Do not mix with other foam concentrates without a previous verification of compatibility. For questions about material of construction compatibility consult Perimeter Solutions technical services.

The shelf life of any foam concentrate is maximized by proper storage conditions and maintenance. Factors affecting shelf life are wide temperature fluctuation, evaporation, dilution, and contamination by foreign materials. When stored in original containers or in manufacturer-recommended equipment and within the specified temperature range the shelf life of the product is rated to exceed 20 years.

ENVIRONMENTAL

SOLBERG AVIGARD products contain no fluorosurfactants, fluoropolymers, organohalogens, PFCAs, PFOA and no PFOS in accordance with EU Directive. They present no concern for persistence, bioaccumulation or toxic breakdown (PBTs).

PACKAGING

Pail	20 L / 5 Gal
Drum	200 L / 55 Gal
IBC	1000 L / 265 Gal

⚠ CAUTIONS

Foams should not be used in contact with electrical equipment or with chemical products that can react with water. It is recommended to avoid contact of the foam concentrate with skin. In case of eye splashes, wash with plenty of water. In case of ingestion do not induce vomiting, drink water and seek medical advice.

Contains no intentionally added PFAS.



Solutions That Save.

FOR MORE INFORMATION

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