

SOLBERG® AVIGARD™ 3C

ICAO LEVEL “C” CERTIFIED
**FLUORINE-FREE
FOAM CONCENTRATE**



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

APPLICATIONS

SOLBERG AVIGARD 3C is 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. It 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.

USAGE RATE

The proportioning rate is 3% (3 parts foam concentrate, 97 parts water).

DESCRIPTION

SOLBERG® AVIGARD™ 3C Fluorine-Free Foam Concentrate is 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). This 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 3C contains no added PFAS chemicals and can be considered readily and rapidly biodegradable.



SPECIFICATIONS

TYPICAL PROPERTIES

Specific gravity @ 20°C	1.07 ± 0.02
pH @ 20°C	7.5 ± 0.5
Viscosity, mPa.s	@ 20°C < 30 @ 0°C 60
Freezing point, °C	-12°C
Lowest temperature for use, °C	-10°C

FOAM PROPERTIES

Dilution rate	3%
Surface tens. at 20°C, mN/m (Demineralised water)	<25
Low expansion foam (UNI-86) Foam expansion index 25% Drainage time, mins	>8.0 >2:30

PACKAGING

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

STORAGE

The concentrate should be stored preferably in the original containers or in stainless steel or epoxy lined tanks. Avoid permanent contact with carbon steel, iron, copper alloys, or aluminum. Do not mix with other foam concentrates without a previous verification of compatibility. When stored in original containers or in manufacturer-recommended equipment and within specified temperature range, the shelf life of the product is rated to exceed 20 years.

ENVIRONMENTAL

SOLBERG AVIGARD 3C contains no fluorosurfactants, fluropolymers, organohalogens, PFCAs, PFOA and no PFOS in accordance with EU Directive 2006/122/EC and amended by Council Directive 76/769/EEC. It presents no concerns for persistence, bioaccumulation or toxic breakdown (PBTs).

PERFORMANCE

SOLBERG AVIGARD 3C has approval certification in accordance with International Civil Aviation Organization (ICAO) Airport Service Manual (DOC 9137-AN/898) Part 1 - Rescue and Firefighting, Level C.

Standard	ICAO C Standard	Fresh Water
Fuel		Jet A1
Application		Forceful
Dilution rate, %		3
Extinguishment time, mins.	< 2:00	1:35
Burnback time, mins.	> 5:00	6:28



Trusted. Solutions That Save.

FOR MORE INFORMATION

Contact any of our worldwide Perimeter Solutions Fire Safety offices or visit:
www.Perimeter-Solutions.com

UNITED STATES

1520 Brookfield Avenue
Green Bay, WI 54313
Tel: +1 (920) 593-9445
salesfoamusa@perimeter-solutions.com

EMEA

Polígono Industrial de Baiña, Parcela 23
33682 Baiña-Mieres (Asturias) – Spain
Tel: +34 985 24 29 45
salesfoamea@perimeter-solutions.com

ASIA PACIFIC

3 Charles Street
St Marys NSW 2760 – Australia
Tel: +61 2 9673 5300
salesfoamapac@perimeter-solutions.com



NOTICE PERIMETER SOLUTIONS MAKES NO REPRESENTATIONS OR WARRANTIES AS TO THE COMPLETENESS OR ACCURACY OF THE INFORMATION INCLUDED HEREIN. THE INFORMATION CONTAINED HEREIN IS NOT INTENDED TO PROVIDE REGULATORY, LEGAL OR EXPERT ADVICE RELATING TO THE PRODUCTS, ITS APPLICATION OR USES. NOTHING CONTAINED HEREIN IS TO BE CONSTRUED AS A RECOMMENDATION TO USE ANY PRODUCT, PROCESS, EQUIPMENT OR FORMULATION IN CONFLICT WITH ANY INDUSTRIAL PROPERTY OR INTELLECTUAL PROPERTY RIGHTS, AND PERIMETER SOLUTIONS MAKES NO REPRESENTATION OR WARRANTY, EXPRESS OR IMPLIED, THAT THE USE THEREOF WILL NOT INFRINGE ON ANY INDUSTRIAL PROPERTY OR INTELLECTUAL PROPERTY RIGHTS. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO THE INFORMATION CONTAINED HEREIN.