

FOAM CONCENTRATE WARRANTY

WARRANTY PERIOD

10 years for synthetic foam concentrates

5 years for proteinic foam concentrates

Warranty period of concerned foam concentrates starts from invoicing date

GENERAL STORAGE CONDITIONS

The warranty is valid if our storages conditions are respected:

- ▲ Maintain min-max temperatures for storage indicated in technical data sheets
- ▲ Avoid long-term exposure to excessive heat and / or direct sun

STORAGE IN ORIGINAL PACKAGING

- ▲ Keep original packaging closed and sealed: original packaging are UV proof to prevent any accelerated ageing process
- ▲ Warranty no longer applies on drums or containers partially used

STORAGE IN TANKS

- ▲ Use corrosion-resistant material: stainless steel 316 L or 304L, polyester resin, PE, PP or bladder tank
- ▲ Carbon steel tank must be coated inside with epoxy or polyurethane resin
- ▲ Prior to fill-in, make sure storage tanks are clean and dry to prevent any possible contamination
- ▲ Keep storage tanks closed and fully filled with foam concentrate to prevent evaporation and external contamination
- ▲ Limit contact with air: one vent, rain proof
- ▲ Requested material for components of suction devices directly in contact with foam concentrate: stainless steel, PVC.

These recommendations are given to help customer to keep our foam concentrates in the very best conditions

● **BIOEX S.A.S.**

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A LEADER GROUP COMPANY



File Code: 5160
Date: JUN 30 2020

Ms. Audrey Rossard
Bio-Ex
5 chemin de Clape-Loup
69280 Sainte-Consorce, France
+33 (0)4 74 70 23 81
arossard@bio-ex.fr

Dear Ms. Rossard:

The laboratory evaluation of Bio-Ex Class A Foam (Ecopol-F), formulation identification ECPFU55, has been successfully completed in accordance with Forest Service Specification 5100-307a. The results of the individual tests have been provided to you by the Wildland Fire Chemicals Systems Program.

Based on the results of the laboratory evaluation, Bio-Ex Class A Foam (Ecopol-F), FID ECPFU55 has been added to the Quality Products List (QPL) as a Fire Suppressant Foam, qualified for application from water-scooping airtankers, single-engine airtankers, fixed tank helicopters, helicopter buckets, and ground engines. This product will also be listed as BIO FOR N +.

Please be aware that the status of qualified products may change if/when the specification is revised or amended.

You are authorized, if you so desire, to add the statement below to your product label and other product information.

“This product has been evaluated by the USDA Forest Service and meets the requirements of Forest Service Specification 5100-307a for application from water-scooping airtankers, single-engine airtankers, fixed tank helicopters, helicopter buckets, and ground engines.”

No use of the Forest Service shield or statements implying endorsement by the Forest Service is permitted. The current QPL can be viewed and printed from the following website:

www.fs.fed.us/rm/fire (Click on “Wildland Fire Chemicals” and then “Qualified Products List”)

Sincerely,

SHAWNA A. LEGARZA, PSYD
Director Fire and Aviation Mgt

cc: David Haston, Shirley Zylstra, Hunter Jones





July 5, 2020

Class A Foam for Wildland Fire Management

Qualified by US Forest Service in Accordance with Forest Service Specification 5100-307a as Amended

These products are evaluated, qualified, and approved for use only at the specified mix ratio range with the indicated application equipment.

Consult individual agencies for specific policies relating to wildland fire foam use.

Definition: Foams contain foaming and wetting agents that affect how the product clings to surfaces and penetrates fuels. They depend on the water they contain for their effectiveness.

Chemical	Mix Ratio	Qualified Applications ¹				
		Fixed-Wing		Helicopter		Ground Applied
		Water Scooper	SEATS ²	Fixed-Tank	Bucket	
FireFoam 103B	0.1-1.0%	●	●	-	●	●
Phos-Chek WD881	0.1-1.0%	●	●	●	●	●
Pyrocap B-136	0.1-1.0%	-	●	-	●	●
Phos-Chek WD881C	0.1-1.0%	●	●	●	●	●
National Foam KnockDown	0.1-1.0%	●	●	-	●	●
FlameOut	0.1-1.0%	-	-	-	●	●
Angus Hi-Combat A	0.1-1.0%	●	●	-	●	●
Buckeye Platinum Class A Foam	0.1-1.0%	●	●	-	●	●
Solberg Fire-Brake 3150A	0.1-1.0%	●	●	-	●	●
First Response	0.1-1.0%	●	●	●	●	●
Ansul Silv-Ex Plus Class A	0.1-1.0%	●	●	●	●	●
Also sold as Chemguard DirectAttack						
1% Bushmaster "A" Class Foam	0.1-1.0%	●	●	-	●	●
Phos-Chek WD881A	0.1-1.0%	●	●	●	●	●
Fomtec Enviro Class A	0.1-1.0%	●	●	-	●	●
Also sold as Firelce Polar EcoFoam						
Bio-Ex Ecopol-F	0.1-1.0%	●	●	●	●	●
Also sold as BIO FOR N+						

1 – Qualification Notes

- Fully Qualified – Product complies with all requirements of a formal specification.
- Conditional Approval – Product complies with all requirements in the specification for laboratory evaluation; a field evaluation is required for full qualification.
- Not qualified for this application.

2 – Within Canada, the wildland fire management agencies apply foam from land-based fixed-wing airtankers (single or multi engine). The presence of a dot in this column indicates approval in Canada for application from aircraft of either type.

Licensed Marks



20211016

Certificate Number

March 30, 2026

Expiration Date

GSC2021_002

Application Number

*Certified under Version
2.1 of GreenScreen
Certified Standard for
Firefighting Foam*

GreenScreen Certified™ Standard for Firefighting Foam Version 2.1

BIOEX

5 chemin de Clape-Loup
69280 Sainte-Consorce
France

Product Certified

ECOPOL F: Class A&B Wetting Agent

March 31, 2021

Issue Date

A handwritten signature in black ink, appearing to read "Paul L. ...".

Signature

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