



Foam Systems PFOS/PFOA-free



New Regulatory Requirements

The IMO, through Resolution MSC.532(107) (adopted on 8 June 2023), prohibits the use of firefighting foams containing **perfluorooctane sulfonic acid (PFOS)** above **10 mg/kg**. Compliance becomes mandatory from **1 January 2026**, at each vessel's first scheduled survey after that date. The **European Union**, under **Regulation (EU) 2020/784**, has set far stricter thresholds, extending restrictions to the wider family of **perfluorinated substances**, including **perfluorooctanoic acid (PFOA)**. The EU limit is **0,025 mg/kg**. The **deadline for replacement set by EU is 3 December 2025**. In cases where foam results are **between 0,025 mg/kg and 1 mg/kg**, authorities have provided a longer replacement period, till **3 August 2028**.

Inspections and Compliance Deadlines

It is expected that European authorities may increase inspections to ensure compliance with PFOA regulations as the adaptation period ends, while starting from January 1, 2026, global PFOS compliance will be enforced by the IMO and port state controls. Foams manufactured before 2020 are at high risk of failing due to PFOA content, while PFOS compliance depends on foam type and manufacturer. Proper documentation, foam testing, and timely replacements are critical to ensure vessels meet the applicable regulations and avoid operational delays or penalties.

Furthermore, the disposal of any prohibited substances must adhere to environmental guidelines and be conducted at designated shore-based facilities.

LALIZAS is equipped to assist the maritime industry in navigating these requirements offering a comprehensive service package.

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LALIZAS offers a **comprehensive service package** to help the maritime industry navigate these regulatory changes. Our services include:

- ✓ **Foam Content Analysis:** Identify PFOS and/or PFOA presence using class-approved laboratories.
- ✓ **Tank Draining:** Remove all existing foam material.
- ✓ **Certified Disposal:** Ensure proper disposal of PFOS and/or PFOA foams at certified facilities.
- ✓ **System Cleaning:** Flush foam tanks and systems.
- ✓ **Rinse Water Testing:** Verify complete removal of PFOS and/or PFOA residues through laboratory analysis.
- ✓ **Fluorine-Free Foam Supply:** Provide compliant alternatives meeting the latest standards.
- ✓ **Detailed Documentation:** Ensure regulatory compliance with comprehensive reporting.



Key Project Details:

- ✓ **Completion Time:** 4-10 days, depending on tank size.
- ✓ **Recommended Locations:** Dry-dock or ship repair zones; anchorage services available under specific conditions.
- ✓ **Global Coverage:** Services available in major commercial ports, including China, UAE, Turkey, Greece, and Rotterdam. Additional locations upon request.

➤ Why Choose LALIZAS?

With an extensive global network and expertise in regulatory compliance, LALIZAS is equipped to deliver a seamless transition to PFOS-free and PFOA-free firefighting systems. We ensure your vessels meet all IMO and EU standards, protecting your operations from potential non-compliance risks.

- For more information, tailored proposals, or to arrange a compliance assessment, contact us at fsr@lalizas.com.