



Marine &amp; Offshore

Certificate number: 55550/A0 BV

File number: AIC 1400/004/015

Product code: 5410H

*This certificate is not valid when presented without the full attached schedule composed of 7 sections*

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## TYPE APPROVAL CERTIFICATE

*This certificate is issued to*

**Fabrik chemischer Präparate von Dr. Richard Sthamer GmbH & Co. KG**  
Hamburg - GERMANY

*for the type of product*

**REGULAR FOAM CONCENTRATES**  
FLUOR-FOAMOUSSE MARINE 3% F-15 #5315

**Requirements:**

Bureau Veritas Rules for the Classification of Steel Ships Part C, Chapter 4 and Part D, Chapter 7  
SOLAS Convention 74, as amended, Chapter II-2.  
IMO MSC.1/Circ. 1312

*This certificate is issued to attest that Bureau Veritas Marine & Offshore did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.*

**This certificate will expire on: 18 Feb 2024**

For Bureau Veritas Marine & Offshore,  
At BV HAMBURG, on 18 Feb 2019,  
Jens Bauermeister

*Jens Bauermeister*



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

The electronic version is available at: <http://www.veristamb.com/veristamb/jsp/viewPublicPdfTypec.jsp?id=h3kqgk1llh>  
BV Mod. Ad.E 530 June 2017

This certificate consists of 3 page(s)

## THE SCHEDULE OF APPROVAL

### 1. PRODUCT DESCRIPTION:

#### **FLUOR-FOAMOUSSE MARINE 3% F-15 #5315**

Protein based low expansion foam concentrate combined with surface active fluorine substances.  
Concentration: 3 %

### 2. DOCUMENTS AND DRAWINGS:

Technical data sheet Version 1 dated 08/03/2018.

### 3. TEST REPORTS:

Test report N° 20181112/Sth 256 dated 20/03/2018, as per IMO MSC.1/Circ.1312, from MPA Dresden, Germany.

### 4. APPLICATION / LIMITATION:

4.1 - For use, in particular, in machinery spaces and for tank decks of oil tankers.

4.2 - Periodical test to be as per IMO MSC.1/Circ. 1312, §5.

4.3- The fitting aboard to be the same as used for the test.

### 5. PRODUCTION SURVEY REQUIREMENTS:

5.1 - The **FLUOR-FOAMOUSSE MARINE 3% F-15 #5315** are to be supplied by **Fabrik chemischer Präparate von Dr. Richard Sthamer GmbH & Co. KG** in compliance with the type described in this certificate.

5.2 - This type of product is within the category HBV of Bureau Veritas Rule Note NR320 and as such does not require a BV product certificate.

5.3 - **Fabrik chemischer Präparate von Dr. Richard Sthamer GmbH & Co. KG** has to make the necessary arrangements to have its works recognised by Bureau Veritas in compliance with the requirements of NR320 for HBV products.

5.4 - For information, **Fabrik chemischer Präparate von Dr. Richard Sthamer GmbH & Co. KG** has declared to Bureau Veritas the following production site(s):

**Fabrik chemischer Präparate von Dr. Richard Sthamer GmbH & Co. KG**  
Liebigstrasse 5  
22113 Hamburg  
GERMANY

### 6. MARKING OF PRODUCT:

As per IMO MSC.1/ Circ. 1312, paragraph 3.13, foams containers should be marked with :

- name and adress of manufactuer,
- product designation,
- type of foam (synthetic, protein-based, ...),
- intended use (regular or alcohol-resistant),
- batch number and reference to batch certificate,
- date of manufacture,
- expiry date,
- reference to test standard and approvals,
- recommended usage concentration,
- indication if seawater is compatible,
- maximum and minimum storage temperature,
- required onboard storage tank materials, quantity of foam concentrate,
- indication of film forming capability,
- safety, health and environment information.

**7. OTHERS :**

It is **FABRIK CHEMISCHER PRÄPARATE** von Dr. **RICHARD STHAMER GmbH & Co. KG**'s responsibility to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.

**\*\*\* END OF CERTIFICATE \*\*\***