



# vaPUREx<sup>®</sup>



## Fire extinguishing foam agents for airports ICAO Level B & Level C

vaPUREx<sup>®</sup> fire extinguishing foam agents are made without added PFAS and comply with the requirements set for the aviation sector. The high-performance products are designed for use at airports, airfields and hangar installations. They are also used at hospital heli-pads, offshore platforms and windfarms.

The foam agents are tested and certified in accordance with ICAO regulations and EN1568:2018 by independent test institutes accredited for conducting such tests. Additionally, our

products undergo an extensive test programme which includes proportioning, foam expansion, additional fire tests and more. All products are formulated to be newtonian. Hence, adjustments of proportioning equipment of ARFF vehicles or installations are not required.



# Dr. STHAMER

## FOAM FIGHTS FIRE



### vaPUREx® LV ICAO

fire extinguishing foam agents are 100% biodegradable. The foam can be applied directly on to aviation fuels. Other motor fuels and oils used at airports can also be extinguished with vaPUREx® foam agents.

The sophisticated formulations designed from new combinations of raw materials reduce pick-up of the foam with fuel on direct foam application. The low-viscosity, newtonian concentrates offer benefits with the transition from AFFF to F3 foam agents. The proportioning equipment does not normally require adjustment or re-configuration. Safe proportioning is

ensured, even at low temperatures. For the conversion of fixed systems we offer a separate consulting service. Special agents can be added to extend the stability of premix solutions.

A solid foam expansion and foam quality enable a lasting cover and suppression of fumes in case of spills or extinguished residuals thus contributing to a successful operation handling.

The second generation of vaPUREx® LV ICAO foam agents stands out through its enhanced efficiency reserves and fire performance, as well as logistical benefits due to a higher concentration and reduced proportioning rate.

| Products               | vaPUREx® LV ICAO B<br>3% #7341                                       | vaPUREx® LV ICAO C<br>3% #7371              | vaPUREx® LV ICAO B<br>1% #7142   | vaPUREx® LV ICAO B<br>3% #7344              |
|------------------------|--|---|----------------------------------|---|
| Proportioning rate     | 3 %  | 3 %   | 1 %                              | 3 %   |
| Foam type              | low-expansion foam<br>medium-expansion foam                          | low-expansion foam<br>medium-expansion foam | low-expansion foam               | low-expansion foam<br>medium-expansion foam |
| Frost resistance       | -10 °C   | -5 °C                                       | -5 °C                            | -5 °C                                       |
| Viscosity              | thin newtonian liquid  |   |                                  |   |
| Annex 14 ICAO          | Level B  | Level C                                     | Level B                          | Level B                                     |
| Compliance with EN1568 | parts 1 & 3<br>& part 3 kerosene 1A                                  | following part 3<br>1+C kerosene            | following part 3<br>1+A kerosene | following part 3<br>1+C kerosene            |
| NATO stock number NSN  |  |   |                                  |   |
| 20 litre DIN can       | 4210-12-418-2491   | 4210-12-420-7410                            | 4210-12-420-7415                 |   |
| 20 litre blue can      | 4210-12-418-2493   | 4210-12-420-7412                            | 4210-12-420-7416                 |   |
| 200 litre drum         | 4210-12-418-2495   | 4210-12-420-7413                            | 4210-12-420-7417                 |   |
| 1000 litre IBC         | 4210-12-418-2499   | 4210-12-420-7414                            | 4210-12-420-7418                 |   |
| Environment            | 100 % biodegradable, made without added PFAS or silicone surfactants |   |                                  |   |

Fabrik chemischer Präparate von Dr. Richard Sthamer GmbH & Co.KG

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