

New HPSF Technology...Are You Ready for the Future in Class B Foam?

Industrial fire-fighting has a traditional association with Class 'B' fire-fighting foams. Used against fires of flammable liquids, Class 'B' foams have gone through a slow transition in composition over the last 70 years. With the emergence of a new Class B foam technology it is time for the industrial fire fighting industry to examine the benefits of this technology.

Solberg Scandinavian AS has been involved with the manufacture of fire-fighting foams since the 1980s. Recent product development work has centred on a new Class 'B' foam technology that meets the fire-fighting performance criteria of international fire fighting specifications that are highly revered in the petrochemical, oil & gas, and the industrial market segments. They are performance based specifications like EN-1568 and Lastfire. Recently introduced to Europe, a new Class 'B' fire-fighting foam technology called **Re-Healing Foam** is gaining the interest of end users. This new state of the art technology has been introduced to the European market by Solberg Scandinavian AS and would be classified as a new High Performance Synthetic Foam (HPSF) with premium fire performance characteristics. **Re-Healing Foam 3x6 ATC** is a new technology HPSF-ARC ([High Performance Synthetic Foam, Alcohol Resistant Concentrate](#)) alcohol resistant foam that has been approved to the highest of standards in EN1568, a European standard to verify the quality of fire fighting foams available in today's market.

This standard groups the foams into two water-immiscible (hydrocarbons) and water-miscible liquids (polar solvents). After this general split the test is performed according to extinguishment times and burn back resistance together with the measuring of physical characteristics. The EN-1568 standard measures the minimum requirements in a fire fighting foam.

Re-Healing Foam 3x6 ATC is approved to EN1568 Part 3 Level 1B and Part 4 Level 1A the highest within this standard. Furthermore this performance has been certified by a CEN approved independent third party laboratory.

As additional support of the fire performance characteristics, **Re-Healing Foam 3x6 ATC** has been recognised by an additional third party specification, namely LASTFIRE.

LASTFIRE is an acronym for Large Atmospheric Storage Tank Fire and was established by a consortium of sixteen oil companies with the aim to ascertain the risks associated with large floating roof storage tank fires. The whole process was co-ordinated by Dr Niall Ramsden of Resource Protection International a highly revered organisation recognised across the globe.

The LASTFIRE test protocol is the first and only test established by foam users to ensure that it suits the requirements of their own industry and the special problems that prevail within it. Consequently it is a very tough test and closely reflects the uniquely difficult demands put upon fire fighting foams in such harsh conditions. Recently witnessed testing by the principle of Resource Protection International has shown that this new [HPSF-ARC](#) technology [product, Re-Healing Foam 3x6 ATC](#), has achieved a performance pass in all three categories of foam nozzles (aspirated, semi-aspirated and system) for this demanding Class 'B' foam specification.

As further commitment to the introduction of a new technology, fire fighting foam concentrate, to the European marketplace, Solberg Scandinavian AS has utilised a respected independent third party scientific organisation to evaluate the product

stewardship aspects of this new technology foam. **Re-Healing Foam 3x6 ATC** has been tested and assessed by the "Hygiene-Institut des Ruhrgebiets" in Germany. The fore mentioned organisation determined that the **Re-Healing Foam 3x6 ATC** has a Water Hazard Class of "1", or "lowest hazard to waters". This certificate is available for viewing upon request. In addition, all other third party test results can be made available by contacting your Solberg Scandinavian AS representative.

Re-Healing Foam 3x6 ATC manufactured by Solberg Scandinavian AS in Norway, is the newest member of the family of HPSF technology foam concentrates and represents the future direction of Class B fire fighting foams. For further information visit our web site at www.arcticfoam.com