**Technical description of the required foaming agent :**

Universal, alcohol-resistant foaming agent for special purposes, e.g. AFFF-AR, alcohol-resistant foaming agent designed for the production of low, medium and low activity foams using potable and sea water for extinguishing class A and B fires, certified to BS EN 1568. It is an aqueous solution of surfactants with stabilizing additives and is available in the form of a modification of 6% concentrate with a pour point of no higher than minus 3 ºС.

To limit mixing of the foaming agent solution and the polar flammable liquid, the foaming agent must contain plasticizers and biopolymers. Universal fire extinguishing foam designed specifically for extinguishing polar liquids (acetone, diethyl ether, methyl alcohol, methyl acetate, methyl tert-butyl ether, etc.).

The foaming agent should also show good results when extinguishing petroleum products, stable gas condensates and high-octane fuels containing polar additives.

The required quantity is 60 tons in 200 liter barrels.

**Acceptance tests:**

At the completion stage of the purchased batch release, the Supplier notifies 7 calendar days in advance of readiness for shipment. A representative from the Customer’s side goes to the site to conduct acceptance tests on the following physical and chemical parameters:

• Appearance;

• Specific gravity;

• pH;

• Viscosity;

• Surface tension;

• Freezing temperature;

• Lowest temperature of use;

• Multiplicity;

• Sustainability;

• Determination of extinguishing time for water-insoluble and water-soluble flammable liquids.

Sampling is carried out from the prepared batch at the discretion of the Customer’s representative. Upon completion of sampling (including arbitration), containers with foaming agent of a batch ready for shipment are sealed in the presence of a representative of the Customer. The Supplier carries out the listed acceptance tests in its own laboratory/test site, or the contractor’s laboratory in the presence of a representative of the Customer.

**Contents of delivery:**

The delivery package of the foam concentrate must include documents (passport, instructions for storage, transportation and use) containing:

• Name of the foam concentrate manufacturer;

• Name of the foam concentrate supplier;

• Batch identification number;

• Quantity of supplied foaming agent;

• Name of the foam concentrate;

• Symbol of the foam concentrate;

• The concentration of the foaming agent in the working solution (when extinguishing water-soluble and water-insoluble flammable liquids, when extinguishing solid combustible materials with foam and an aqueous solution of a wetting agent);

• Type of foaming agent;

• Foam concentrate class;

• Chemical nature of the foaming agent.

• Actual quality indicators according to certificate and their compliance with the requirements established by the manufacturer;

• Rules for working with foam concentrate and its disposal, ensuring personnel safety and environmental protection;

• Temperature range of foam concentrate storage;

• The foaming agent belongs to non-Newtonian liquids;

• Guaranteed shelf life of the foam concentrate.