



ORCHIDEX AFFF 6% ECO

AQUEOUS FILM FORMING CONCENTRATE

Scope

Orchidex AFFF 6% ECO is a synthetic firefighting foam concentrate designed for use on non-polar, hydrocarbon hazards. When proportioned with water and applied with conventional foam or water/fog equipment, **Orchidex AFFF 6% ECO** provides excellent control and extinguishments of Class B fires by spreading a vapour sealing film over the liquid fuel. This vapour seal inhibits re-flash even the foam blanket is ruptured and also allows the product to be used to secure non-ignited spills.

Orchidex AFFF 6% ECO provides excellent penetrating and wetting qualities when used on Class A fires. This is important when extinguishing deep-seated fires in wood, paper, rubber tires and other ordinary combustibles.

Typical Properties (not for specification purpose)

Fire Classes	A and B
Recommended Use Concentration	6% on hydrocarbons
Specific Gravity at 20°C	1.01 ±0.02g/ml
Freezing point (Solidification Temperature)	-2°C
pH at 20°C	6.0 – 9.5

We reserve the right to improve our products within the tolerances being compliant to approvals without prior notice.

L00955333v2-0816

Page 1/2

Applications

Orchidex AFFF 6% ECO can be used with conventional foam equipment with fresh, sea or brackish water.

Self-inducting foam nozzles and foam nozzles with in-line inductors are among the most common types of hardware for application. In addition to its use in aspirating foam equipment **Orchidex AFFF 6% ECO** can be dispensed effectively through non-aspirating equipment including fog nozzles, water spray devices and standard sprinklers.

Orchidex AFFF 6% ECO may be applied to fires simultaneously with dry chemical firefighting agents as the two are compatible.

Features

Effectiveness : Rapid extinguishment reduces the chances of dangerous incidents and reduces the risk to property and equipment.

Orchidex AFFF 6% ECO also prevents re-flash and burn-back, which are major causes of injuries.

The securing action of **Orchidex AFFF 6% ECO** minimizes re-flash and re-ignition during clean-up of flammable liquid spills.

Reliability : **Orchidex AFFF 6% ECO** can be stored for virtually an indefinite period of time in approved equipment and systems. NFPA recommends annual inspection of all foam systems.

**Tested and Approved according:
EN 1568 – Part 3**

Usage:

- ✓ Class A fires: Wood, Paper, Textile, Fibers, Rubber etc..
- ✓ Class B fires: Oil, Fuels, Gasoline, etc...



FOAMS



POWDERS



WATER ADDITIVES

Economics : **Orchidex AFFF 6% ECO** offers fast extinguishment, so less agent is required in training and actual fire emergencies.

Storage & Design : **Orchidex AFFF 6% ECO** provides maximum economies in storage space and design of fixed systems.

Environmental & Toxicity

Orchidex AFFF 6% ECO is considered as biodegradable material with minimal environmental impact. More than 90% is expected to be biologically degradable within 28 days. The material is non-toxic to Humans, Fish or Animals.

Orchidex AFFF 6% ECO complies with EN regulations relating to PFOS & PFOA.

Storage

It is recommended to store **Orchidex AFFF 6% ECO** in its original containers at a temperature between 1°C and 40°C with suitable covers and protected from sunlight in order to maintain its original physical and chemical characteristics and to reach a shelf life of 20 years and even more. The foam should be tested for its physical properties and specifications after 5 years from the production date, and thereafter retested each year. Freezing and thawing have no adverse effect on the product performance, though a slight stratification may result; in such case, a moderate mixing before use is advisable.

Packaging

Orchidex AFFF 6% ECO is available in cans (20 l/kg and 25 l/kg), in 200 l/kg drums or in 1000 l/kg IBC containers. Shipments can also be made in bulk.

Important Notice to Purchaser – Disclaimer

All statements, technical information and recommendations herein are based on tests made by Orchidee and its affiliates as well as by third parties and also at Orchidee's best knowledge. Orchidee believes these tests to be reliable, but the accuracy or completeness thereof is not guaranteed, and the following is made in lieu of all warranties, expressed or implied, including the implied warranties of merchantability and fitness for purpose: Orchidee's sole obligation shall be to replace such quantity of the product, if and to the extent proved to be defective. Before using the product, user shall determine the suitability of the product for its intended use, and user assumes all risk and liability whatsoever in connection therewith. If user shall not notify Orchidee, within 30 days as of the date of receiving the product, of any defects found in the product – the product shall be considered acceptable by such user, and the user shall have no complaints against Orchidee with this regard. ORCHIDEE SHALL NOT BE LIABLE FOR ANY LOSS OR DAMAGE (INCLUDING PERSONAL INJURY), DIRECT, INCIDENTAL, OR CONSEQUENTIAL, ARISING OUT OF OR IN CONNECTION WITH THE PRODUCT, WHETHER THE BASIS FOR THE CLAIM OF SUCH LOSS IS IN TORT, CONTRACT, STRICT PRODUCT LIABILITY OR OTHER. Any statement or recommendation not contained herein shall have no force or effect unless in an agreement signed by the authorized personal of Orchidee.

Orchidex AFFF 6% ECO

Also Available:

- **Orchidex ME 3% F-ECO**
- **Orchidex ME 6% F-ECO**

- **Orchidex AFFF 3% F-HP**
- **Orchidex AFFF 6% F-TP**

- **Orchidex ARC 3x3 F-TPL**
- **Orchidex ARC 1x1 F-HPL**
- **Orchidex ARC 1x1 FL-ECO**

- **Orchidex A**