

(FireWall A , B) Type A , B Foam Extinguishing Agent (fire fighting agent) (foam concentrate)

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Our newly-developed (FireWall A,B) type A , B foam extinguishing agents extinguishes fires that result from the ignition of both liquid and solid combustibles. It is a new and highly-effective foam extinguishing agent for use in compressed air equipment. It controls fires quickly and efficiently, and it uses less water during application than other extinguishing agents.

The FireWall A , B controls fires quickly and efficiently while creating a high degree of heat insulation. This presents significant advantages: it reduces or eliminates reignition and it minimizes water damage which often results from many other kinds of fire fighting methods. It is a safe and effective extinguishing agent with many uses.

The percentage of extinguishing agent required in the content of applied mixture may range from 0.1~1%, depending upon the size and intensity of the fire, thus minimizing both extinguishing agent usage and water usage.

The FireWall A, B foam extinguishing agents are adaptable to and meets all requirements of most imported advanced foam discharge systems. In addition, it meets the requirements of all ordinary high-, medium-, and low-

expansion generators and compressed air systems.

At present, our Firewall AB extinguishing agent has been used extensively in Beijing, Shanghai, and numerous other places throughout China. Our product is well-suited to compressed air foam systems. We highly recommend this mode of discharge in the event of a fire.

The Firewall A , B foam extinguishing agents are environmentally-friendly, nontoxic, and entirely biodegradable.

The concentration of thickener, vesicant, and other biodegradable materials is very low in mixed form so it easily meets the standards and expectations of biodegradability.

The type A , B foam extinguishing agents's micro bubble consistency and its special surfactant combine to provide unsurpassed extinguishing properties.

The extinguishing foam exhibit excellent stability and a long drain time. The surface and interfacial tension of the drained water remains low when it is used to extinguish class A (solid combustible) fires. The foam adheres tenaciously to the the surface of burning objects, thus forming a protective, insulating layer which reduces the transmission of heat. This in turn results in further cooling of the burning object. This special ability to form a protective layer and maintain a long drain time reduces water damage resulting from runoff.

Upon draining from the burning surface, the extinguishing agent coagulates and maintains a ropy consistency, thereby increasing its depth of penetration into the fire. The extinguishing agents eventually carbonizes upon the burning surface, thereby eliminating the oxygen supply which in turn stops the combustion process.

When used to extinguish class B (liquid combustible) fires, the foam spreads out quickly and forms a film upon the burning surface that maintains an extended drain time. This extinguishes the fire quickly and prevents reignition of the burning surface.

Physical Properties (typical values)

- 1 appearance..... straw yellow liquid
- 2 Acidity(PH) 209.0
- 3 Freeze point.....-14°C
- 4 minimum ambient temperature..... -5°C
- 5 maximum ambient temperature.....50°C

Recommended Mixture Ratio

1. Amount of agent required to wet a surface0.1%- ~ 0.3%

2.Amount of agent required to extinguish a typical fire in a commercial building

.....0.3%~0.5%

3.Application of this agent may be used in concentrations of 0.5% ~0.7% prior to the demolition of large buildings to contain dust and fine particulates.

4. Concentration needed to contain heat0.7%~1.0%

Packaging, Transportation and Storage Requirements

- **Package and transport in 25kg or 50 kg , and 200 kg plastic barrels**
- **Avoid mixing with other chemical or foam extinguishing agents during shipment and storage.**
- **Keep the agents cool during shipment and storage: 5 degrees C to 50 degrees C**
- **Avoid storing in direct sunlight.**