Safequip is a leading manufacturer and supplier of extinguishing agents such as foam and powders that can be found in solid, liquid or gaseous forms. When combined with fire suppression systems or fire sprinkler systems, they are highly effective in putting out fires.

Safequip is the only local producer of world class SABS approved quality firefighting powders.

**Dry Chemical Powder (ABC Class)**

*Safequip is SABS approved*

Dry Chemical Powder (ABC Class) are mono ammonium phosphate-based powders that are generally for multi-purpose use on Class A, B and C fires. These dry chemical powders comes in 40%, 70% and 90%.

**Uses:**
- **Class A fires**
  - It insulates Class-A fires by melting at approximately 350–400 degrees F.
- **Class B fires**
  - The powder breaks the chain reaction of Class-B fires by coating the surface to which it is applied.
- **Class C fires**
  - It is safe and effective for Class-C fires since it is a non-conductor of electricity.

**Inappropriate Uses:**
- **ABC dry chemical is inappropriate for chlorine or oxidizer fires and on certain metal fires (Class D) as well as cooking oil fires and on certain metal fires**
- **Class-D fires**
  - Appropriate for chlorine or oxidizer fires, but provide a heat resistant foam blanket and are more durable.

**Products:**
- 34-40% **ALPHA MEGAFL0**
  - Fire rating: 2A2B
  - ALPMEG003
- 40% **ALPHA HYPERFLO**
  - Fire rating: 2A3B
  - ALPMEG004
- 70% **ALPHA SUPERFLO**
  - Fire rating: 2A4B
  - AIPSUP003
- 90% **ALPHA DYNAFLO**
  - Fire rating: 2A5B
  - ALPDDYN004

**Safequip Foam**

Foam is an aerated solution which is used for fire prevention and firefighting. Foam concentrate is the full strength liquid which is diluted and processed to produce foam. The foam solution is the mixture produced by diluting foam concentrate with water before processing to make foam.

**Uses:**
- **Class A foams**
  - Mostly used to fight wild fires.
  - They assist in the wetting and saturation of Class A fuels with water, which aids fire suppression and can prevent re-ignition.
- **Class B foams**
  - Are best suited for putting out fires that involve flammable liquids.
- **Class C foams**
  - Are best suited for putting out fires that involve flammable liquids.

**Synthetic foams**

- Provide better flow and faster knock-down of flames, but offer limited post-fire security.
- **Protein foams**
  - Are bio-degradable. They flow and spread slower than synthetic foam, but provide a heat resistant foam blanket and are more durable.

**Safequip Purple-K**

Safequip Purple-K is one of the most effective dry chemicals in fighting Class B (flammable liquid) fires and manufactured in-house by Safequip.

**Safequip Purple K (90% Potassium Bicarbonate) is a Class BC powder and is SANS 1522 approved and is available for use in areas such as airfields, chemical plants and refineries where superior fire extinguishing qualities are required.**

**Safequip Purple-K is the MOST EFFECTIVE DRY chemical in fighting CLASS B (flammable liquid) fires.**

**Appearance:**
- A fine violet colour free flowing powder

**Main ingredient:**
- Potassium Bicarbonate 90%

**Safequip Purple-K should NEVER be mixed with phosphate-based fire suppression agents.**