Description

Renex K is a novel fire extinguishing powder based on a complex of Potassium and sodium Salts (90%). Renex K is an extremely efficient fire extinguishing powder and imparts excellent fire protection for medium to high risk areas. It is recommended for use on class B and C fires where it exhibits superior performance when compared to other commercially available BC type powders. Renex K has a density equivalent to Potassium dry powders.

Technical data

Appearance	A white powder
Apparent density	1.00 kg/cu dm +/- 0,07
Moisture content	Less than 0,25%
Flowability	75 gram/sec
Particle size > 0,040 >0,063 mm (%) >0,125 mm (%)	60 +/- 8% 40 +/- 8% 15 +/- 5%
Corrosion & abrasion effect	Non corrosive or abrasive
Temperature stability range	-60°C to +50°C

Extinguishing mechanism

Potassium powders extinguish flammable liquid fires by interfering with the chemical reactions which are taking place in the combustion zone. These chemical reactions produce "free radicals" which attach themselves to the surface of the powder particles introduced into the flame, thus the flame ceases to exist and the fire is extinguished.

Quality control and approvals

Renex powders are manufactured and tested according to European Standard EN615 (1995). Manufacturing process and quality control system has been approved to ISO 9002.

Renex powders are available in a range of pack sizes and styles. For bulk filling Renex K powder can be supplied in 25 kilo plastic drums, PE transparent plastic wrapped on pallets of 1000 kilo. These packages are suitable for containerized shipment. This type of packaging is also suitable for containerized shipment

Storage

Renex powders are formulated not to be affected by long term storage. However, although all powders are stable at low temperatures, there are upper temperature limits for storage which will depend on the chemical nature of the particular powder. As a general guide, temperatures of 50°C should not be exceeded. Powders should be stored in a dry location in original packaging until required for use.

Packaging