

Description

Renex BCE Std is a general purpose dry chemical powder with a good efficiency and performance in fires of class B, C and E (up to 1,000 volts). Renex BCE Std is based on the active ingredient sodium bicarbonate and ground to selected particle sizes and made resistant to influence of climatic extremes by means of flow promoting and moisture repellent additives.

Typical physiochemical properties

Chemical content	Sodium Bicarbonate	88-92%
Apparent density	Minimum	0.95 g/ml
Particle size	Maximum	0.35 mm
Resistance to caking & lumping		passes
Water repellancy		> 2 hours
Moisture content		<0.25%
Temperature stability		-60°C to +60°C

Extinguishing mechanism

Sodium bicarbonate powders extinguish flammable liquids by interfering with the chemical reactions which are taking place in the combustion zone. The free radicals in the flame attach themselves to the surface of the powder.

Quality control and approvals

Renex powders are manufactured and tested according to European Standard EN615 (1995).

Packaging

Renex powders are available in a range of pack sizes and styles. Renex BCE Std powder can be supplied in 25 kilo multiwall paper sacks, PE transparent plastic wrapped on pallets of 1000 kilo. These packages are suitable for containerized shipment. Powders can also be supplied in 1000 kilo Big Bags to simplify handling and to feed into extinguisher filling machine hoppers. 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.

Shipping specification

The following table is intended as a guide for typical size packaging for Renex BCE Std powder.

Nett weight (kg)	Gross wt (kg)	Pallet dimension (cm)
40x25kg sacks 1000 kg	1023	110x110x100
1000 kg bags	1023	110x110x100

Performance

Subject to extinguishing quality the minimum expected fire rating obtained using Renex BCE Std in a 6 kg portable fire extinguisher is 183B.