



Monnex™ BCE powder is the world's most trusted high performance dry chemical powder for firefighting applications. Monnex™ should be used in high risk situations where flammable liquids are stored, processed or transported and is extensively used by airport rescue and firefighting services throughout the world.

### Applications

Monnex™ dry chemical powder is recommended for large fires (Class B, C and E) where superior fire extinguishing qualities and reliable protection is of paramount importance. For example, when filled in hand appliances, Monnex™ will easily extinguish fires which would otherwise need wheeled units.

Monnex™ is particularly effective against fire involving L.N.G, alcohols, ketones and esters, which are more difficult for conventional firefighting agents. Rapid extinguishment is essential and as fire is often discovered by plant personnel, Monnex™ gives first responders every help to make the vital first few seconds count.

### Extinguishing Mechanism

As with BC powders, Monnex™ interferes with the chemical reactions which occur within the combustion zone. However, the unique property of Monnex™ is that within the combustion zone, the high temperature causes the powder to decrepitate and break into minute particles giving a very large surface area which effects the extinction of the flames.

### Typical Physico-Chemical Properties

Appearance	Off white powder
Apparent density	0.75 ± 0.15 g/ml
Moisture content	Less than 0.25%
Maximum particle size	0.35mm
Corrosion effect	Not corrosive
Abrasion effect	Not abrasive
Water repellency	>2 hours
Temperature stability	-60°C to +50°C

### Manufacturing Information

Monnex™ powder is based on a potassium bicarbonate – urea complex, and is only manufactured by Kerr Fire at their facility in the UK. Recent plant upgrades and investment in the production process means Monnex's supply chain has been strengthened further.

### Quality Control

Manufacturing process and quality control systems have been approved to BS.EN.ISO 9001 & 14001.

### Storage

Kerr powders are formulated not to be affected by long term storage. However, although all dry chemical powders are stable at low temperatures, as a general guide, temperatures of 50°C should not be exceeded. Extreme temperature cycling should also be avoided. Powders should be stored in a cool, dry and well ventilated location in original packaging until required for use.

The drums should be kept away from direct sunlight and sources of moisture contamination or excessive humidity.

Monnex™ is a fine powder and as such is prone to settling and classification. This may be most apparent after transportation and care should be taken before use.

It is recommended that unopened drums be rotated a few times prior to opening to provide a fluidised powder for your needs.

The shelf-life of Monnex™ powder is recommended to be no more than 5 years in its original packaging.

When used in an approved device, it is recommended that the powder be replaced after any routine testing that exposes the powder to the atmosphere. Exposure may be detrimental to both the powder and the equipment.

### Performance

Below is a table showing the expected fire ratings obtained using Monnex™ in portable hand-held fire extinguishers. It is possible to see how little Monnex™ is used, even against large fires. This superior performance demonstrates why Monnex™ is the world's most trusted, high performance powder.

Tray size	89B	144B	233B
Fuel load (Litres)	89	144	233
Fire area (m <sup>2</sup> )	2.8	4.54	7.23
Weight of powder	0.8 kg	1.5 kg	2.3 kg

### Low Density

Due to the low density of Monnex™, it is not normally possible to charge an extinguisher to its normal capacity. A 75 - 80% charge by weight is considered average.

### Packaging

Kerr Monnex is supplied in 25 kg metal drums, stretch wrapped on pallets of 600 kg or to suit customer requirements. These packages are suitable for containerised shipment.

### Shipping specification

The following information is intended as a guide for typical size packaging for Monnex™ powder. Monnex™ is supplied in 25 kg Steel Drums. 24x 25 Kg Steel Drums per pallet gives a gross weight per pallet of 689 kg with the dimensions per pallet (cm) at 130 x 110 x 110.

### Availability

Monnex™ powder is available globally from Kerr Fire and Kerr Fire authorised dealers. To verify a dealer's authority, please call or email us now.

# MONNEX

**EMERGENCY FOAM SERVICE** Call +44 (0) 15242 61166 – 24 hours a day, every day

Page 2/2