



## MATERIAL SAFETY DATA SHEET

N5 mm

### Safety Instructions for Handling, Transport and Storage

#### General Function

**Norbulb N5 mm** glass bulbs are thermal release elements for fire protection applications. The enclosed filling fluid will expand with rising temperature, increasing the internal pressure until the bulb bursts into small fragments at the defined operating temperature.

#### Transport and Storage

Norbulb glass bulbs are well protected in their special polystyrene packaging against damages by rough handling during transport. The boxes are marked 'Fragile'. Glass bulbs may be regarded as generally harmless and unrestricted in transport. However, care should be taken not to exceed the "Highest Ambient Temperature Allowed" i.e. 45°C or 110°F during transport or storage, as this may lead to their operation.

#### Handling

Glass Bulbs are fragile and should therefore be handled with the necessary care. At higher temperatures the glass bulbs will operate, which may cause injuries to the eyes. Protective glasses should be worn when exposing the bulbs to higher temperatures during testing or handling. Any eye injuries caused by bursting glass bulbs should be attended by a doctor.

#### Filling Liquids

The fluid contained in the **N5 mm** glass bulbs is Glycerine. Glycerine is non-toxic and non-caustic, but they are irritant to the eyes and unhealthy when swallowed. Contact to mouth, eye or skin should therefore be avoided. In case of any such contact wash with plenty of water immediately.