

### APPLICATIONS.

Round and rectangular copper wires used in the windings of electrical machines, instruments and components.

### CHEMICAL AND PHYSICAL PROPERTIES

- Composition of resin: Modified Polyurethane.
- Physical State : Solid
- Thermal class : (IEC 172): 155

### STORAGE AND HANDLING AND TRANSPORT.

- Special transport precautions: None
- Special storage precautions: None
- Personal protection measures: None

### INFLAMABILITY AND EXPLOSION DANGER.

- Not inflammable without primer
- With primer it is inflammable at temperature over 400 °C
- It is immediately auto extinguishing.
- It is not explosive

### TOXICOLOGICAL DATA.

In the case of total destruction by fire (by persistent flame at 700 °C) before auto extinguishing ,the product will exhale CO, CO<sub>2</sub>,H<sub>2</sub>O as steam and will leave carbon residuc. HAZARDOUS FUMES or DUST may be generated when soldering,welding,burning,wire brushing,melting or processing enamelled wires. Excessive exposure to dust may cause irritation to the eyes,skin, and/or respiratory systems. The wearing of appropriate protective , eye , skin and breathing equipment may be required. Inhalation of fume should be avoided. The soldering of polyurethane enamel can present a Isocyanate inhalation hazard. Levels of free Isocyanate above the control limit can be generated during the soldering operation. It is recognised that exposure to Isocyanates can lead to sensitisation and occupational Asthma . Fumes should removed by efficient exhaust ventilation.

### EXPOSURE LIMITS.

Exposure limit 0.020 mg per cubic metre for an 8 hour time weighted average reference period.  
Short term exposure limit 0.07mg per cubic metre for a ten minute period.

### ECOLOGICAL DATA.

Waste should normally be recycled due to the high value of the base metal.

It should be noted that enamelled wires are lubricated with wax at < 75 mg per square metre. of wire surface.

### ADDITIONAL PRECAUTIONS.

After processing and particularly after soldering and before eating , drinking or smoking the hands should be washed. Smoking , eating and drinking should not normally be permitted in the work area.

### NOTE

This document supersedes all previous revisions of this safety card.

REV 106.294