

## Product and Company Identification

### Product name

Polyurethane Solderable Enamel Wire

### Applications

Round copper wires used in the wiring of electronic circuits, windings of electrical motors, instruments and components.

### Details of the supplier of the safety data sheet

Premier Farnell plc

150 Armley Road

Leeds

LS12 2QQ

+44 (0) 870 129 8608

### Emergency telephone number

Emergency telephone : +44 1865 407333

## 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

## Inflammability and Explosion Danger

Not inflammable without primer

With primer it is inflammable at temperatures 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 residue. **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 fumes should be avoided. The soldering of polyurethane enamel can present an 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 be removed by efficient exhaust ventilation.

## Exposure Limits

Exposure limit 0.020mg per cubic metre for an 8 hour time weighted average reference period. Short term exposure limit 0.07mg per cubic metre for a 10 minute period.

Newark.com/exclusive-brands

Farnell.com/exclusive-brands

Element14.com/exclusive-brands

## Ecological Data

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

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

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| <b>Part Number</b> |
| RRP-G-105          |

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