



Pegler Yorkshire

**Endex**

**Safety Data Sheet**

**Section 1: Identification of the substance and the company**

Trade Name: N164 Brazing Rod

Manufacturer/ Supplier: Pegler Yorkshire Group Ltd

Address: St Catherine's Avenue, Doncaster, South Yorkshire, DN4 8DF, England

Telephone: 0800 156 0050 (Technical Help)

Emergency and out of hours telephone: 0114 2720966

Email: tech.help@pegleryorkshire.co.uk

**Section 2: Hazards Identification**

**Most Important Hazards and Classification**

**Classification according to Regulation (EC) No. 1272/2008 (CLP Classification)**



GHS07

H335-May cause respiratory irritation

Carcinogen                      None known.

Mutagenic                        None known.

Toxic for Reproduction        None known.

Toxic                                None known.

Dangerous for the Environment        None known.

**Specific Hazards**

The general hazards related to this product are due the potential for thermal burns in its use as a brazing alloy or from inhalation of metal and metal oxide fumes. However, under normal conditions occupational exposure levels are not likely to be exceeded. The phosphorus content of these alloys is completely combined with the copper and does not represent a specific hazard in itself.

Excessive exposure to copper oxide fumes evolved during severe overheating may result in metal fume fever. Symptoms are similar to those for influenza and often appear after a latent period of up to 10 hours. They typically disappear after 24 hours rest.

**Section 3: Composition**

Chemical Name	CAS Number	EC Number	Label/Risk Phrase	Weight (%)
Silver	7440-22-4	231-131-3	--	2.0
Copper	7440-50-8	231-159-6	--	91.5
Phosphorus	7723-14-0	231-768-7	--	6.5

This alloy complies with ISO 17672:2010 CuP279

#### Section 4: First Aid Measures

General Advice	Show this data sheet to the doctor in attendance.
Inhalation	Remove patient to fresh air. Seek medical attention if respiratory symptoms develop. Keep warm and at rest.
Skin contact	If reddening occurs wash affected area with soap and water. Seek medical attention if symptoms persist.
Eye contact	If redness or watering occurs irrigate with copious amounts of isotonic water or isotonic saline. Seek medical attention.
Ingestion	Do not induce vomiting. Keep warm and at rest. Obtain medical attention.

#### Section 5: Fire Fighting Measures

Suitable extinguishing media	Extinguish with dry powder, carbon dioxide or water spray.
Unsuitable extinguishing media	Water jets.
Specific hazards	None.
Special protective equipment for fire fighting	No special measures required.

#### Section 6: Accidental Release Measures

Personal precautions	Wear personal protective equipment.
Environmental precautions	Avoid release to the environment. Do not release to drain nor water courses.
Spillages	Transfer into suitable containers for recovery or disposal.

#### Section 7: Handling and Storage

Handling	Avoid contact with eyes, skin and clothing. Avoid breathing in metal fumes from heated material. When using do not eat drink or smoke.
Storage	Store in original packaging in cool, dry conditions.

#### Section 8: Exposure Controls/Personal Protection

Workplace exposure limits (From EH40/2005 including revisions up until 2011)

Substance	TWA (8 hours)	STEL (15 minutes)
Silver	0.1 mg.m <sup>-3</sup>	--
Copper fume (as Cu)	0.2 mg.m <sup>-3</sup>	--
Phosphorus, yellow	0.1 mg.m <sup>-3</sup>	0.3 mg.m <sup>-3</sup>

Wear suitable protective clothing, PVC gloves for handling and heat resistant gloves as appropriate. If PPE is required a chemical cartridge respirator should be used. Workplace atmospheric monitoring and local exhaust ventilation may be required. Medical surveillance may be required.

### Section 9: Physical and Chemical Properties

Form	Wire/rod or strip/sheet in coil or straight lengths; discs or other shapes as required or as powder.
Colour	Metallic reddish/brown.
Odour	None.
pH	Not applicable.
Melting point/range	645-825°C
Water solubility	Very slight
Relative Density	8.1 at 20°C (dependent on composition)

### Section 10: Stability and Reactivity

Stability	Stable under normal conditions.
Conditions to avoid	Not applicable.
Materials to avoid	Strong acids.
Hazardous decomposition products	None known.

### Section 11: Toxicological Information

Acute toxicity	No data available.
Irritancy - Skin - Eyes	Very slight potential for an allergic skin reaction Unlikely to cause a problem.
Skin sensitisation	None known.
Carcinogenicity	None known.
Chronic toxicity	None known

### Section 12: Ecological Information

Mobility	The product is non-volatile and insoluble. It will accumulate in the ground.
Persistence/Degradability	The product is expected to be resistant to biodegradation.
Bio-accumulation	A potential for bio-accumulation is indicated.
Ecotoxicity	No information available.

### Section 13: Disposal Considerations

Waste from residues and unused product	Return to supplier.
Regulations	The wastes are classified as hazardous and should be disposed of in accordance with the Waste Framework Directive (75/442/EEC) and the Hazardous Waste Directive (91/689/EEC)
European Waste Catalogue (EWC) No.	17-04-09* (Metal – scrap, non-ferrous).

### Section 14: Transport Information

<b>Non-hazardous for air, sea and road freight.</b>	
UN Class	Not classified.
ADR/RID - Class	Not classified.
IMDG - Class	Not classified.
IMDG - Marine pollutant	Not classified.
IATA - Class	Not restricted.

**Section 15: Regulatory Information**

Regulation EC 1272/2008 Classification, Labelling and Packaging of Hazardous Substances and Mixtures (CLP) has been used in compiling this data sheet. This replaces the Dangerous Substances Directive (67/548/EEC) and the Dangerous Preparations Directive (1999/45/EC).

Chemicals (Hazard Information and Packaging for Supply) Regulations 2009


EH40/2005 Workplace exposure Limits.

Personal Protective Equipment at work regulations 1992 (as amended)).

Control of Substances Hazardous to Health Regulations as amended (2002)

Labels      Harmful

Classification according to EC 1272/2008 Classification, Labelling and Packaging of Hazardous Substances and Mixtures (CLP).

	<p>GHS07</p> <p>Hazard Phrases:</p> <p>Precautionary Phrases:</p>	<p>H335-May cause respiratory irritation</p> <p>H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled</p> <p>P261: Avoid breathing dust/fumes/gas/mist/vapours/spray.  P270: Do not eat, drink or smoke when using this product  P280: Wear protective gloves/protective clothing/eye protection/face protection</p>
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**Section 16: Other**

For further information contact the Technical Department at Thessco Limited.  
Telephone: +44 (0) 114 2720 966    e-mail: [technical@thessco.co.uk](mailto:technical@thessco.co.uk)

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