

**Material Safety Data Sheet  
Lead Free Solder Wire 99C**

**1) Identification of the Substance and of the Company**

99C GR100 Lead Free Solder Wire  
Grosvenor Electronic Supplies (UK)  
Priory Tec. Park, Saxon Way, Hessle, East Yorkshire, HU13 9PB

**2. Composition and information of ingredients**

Components	Number CAS	Contents %	Number WE EINECS	Hazard Identification R
Tin Sn	7440-31-5	Other	231-141-8	-
Copper	7440-50-8	0.6 – 0.8	213-159-6	-
Rosin	65977-06-0	<2.5 %	266-041-3	36/37/38

**3 Hazard Identification**

Fire hazard: Not inflammable materials  
Toxic hazard: Does not cause any hazards  
Ecotoxic hazard: Does not cause any ecotoxic hazards

**4. First-aid measures**

After inhalation: Supply fresh air; consult medicine service In case of complaints  
After swallowing: Induce vomiting, if person is conscious. Seek medical help.  
After eye contact: Rinse opened eye for several minutes under running water  
After skin contact: Immediately wash with water and soap

**5. Fire-fighting measures**

Special hazards: Non-flammable substances of low melting .Toxic gases,dust and fumes are emitted in combustion.  
Suitable extinguishing agents: Fight fire with water spray appropriately to the size and expansion of the fire considering neighbouring objects.

General measures: Inform appropriate authorities in case of environmental contamination. Evacuate a population who are not involved in disposing of damage.

Special Measures: Wear protective outfit.

## **6. Accidental release**

General measures: Inform appropriate authorities in case of environmental contamination. Evacuate a population who are not involved in disposing of damage.

Protective equipment: Wear self-contained respiratory protective device, protective glasses.

Special Measures: Do not allow product to reach sewage system or any water course. Dispose of toxic dust with water spray. Apply a respiratory device.

Environmental protection: Scoop up paste and deposit in appropriate containers.

## **7. Handling and storage**

### **Handling:**

Information for safe handling: Ensure good ventilation/exhaustion at the workplace.

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Information about fire .

and explosion protection: No special measures required.

### **Storage:**

Requirements

For storage: No special requirements

Information about storage in one common storage facility:

Not required.

Further information about storage conditions:

Store in dry conditions

## 8 Exposure Controls/personal protection

Ingredients with limit values that require monitoring at the workplace	Metal	OES-short term	OES-long term
	Tin SN Copper	2,0 mg/m <sup>3</sup> 0,1 mg/m <sup>3</sup>	4,0 mg/m <sup>3</sup> 0,3 mg/m <sup>3</sup>

Personal protective equipment:

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.  
Wash hands before breaks and at the end of work.

Respiratory protection:

When ventilation is not sufficient to remove fumes from the breathing zone, a safety approved respirator or self-contained breathing apparatus should be worn.

Protection of hands:

Protective gloves should be worn

Eye protection:

Safety glasses

## 9. Physical and chemical properties

Form:

Solid

Flux content:

0,8 – 3%

Colour:

Silver Grey

Odour:

Mild

Melting point:

227°C

Boiling point:

Undetermined

Flash point:

N/a

Danger of explosion:

Product does not present an explosion hazard

Density at 20°C:

7,3 g/cm<sup>3</sup>

Solubility in alcohol:

Rest of flux soluble, metal insoluble

## 10. Stability and reactivity

Thermal decomposition /

conditions to be avoided: No decomposition if used according to specifications.

Materials to be avoided: Strong acids, strong oxidizers

Dangerous reactions: No dangerous reactions known

Dangerous decomposition products: No dangerous decomposition products known.

## 11. Toxicological information

Acute toxicity:

Primary irritant effect:

On the skin: No irritant effect.

On the eye: Smoke during soldering can cause eye irritation

Sensitization: No sensitizing effects known

## 12. Ecological information

General notes: Do not allow product to reach ground water, water course or sewage system.

## 13. Disposal considerations

Product

Recommendation: Must not be disposed together with household waste. Do not allow product to reach sewage system.

European waste catalogue:

Disposal must be made according to official regulations.  
10 10 03 . dross and skimmings after casting proceses

Uncleaned packaging

Recommendation: Disposal must be made according to official regulations.

## 14. Transport information

ADR/RID class (land): Not regulated

IMDG class (marine): Not regulated

IATA-DGR (air transport): Not regulated

## 15. Regulatory information

Special labelling of

certain preparations: Safety data sheet available for professional user on request.

Waterhazard class: Water hazard class 3 (Self-assessment), extremely hazardous for water

#### **16. Other information**

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