

## CORED SOLDER WIRE «Sn 96.5 Ag3 Cu 0.5 FXN »

Presentation conform to the NFT 01-100 standard

Sn96.5Ag3Cu0.5 FXN-toxy-uk-V1.doc

Reference :01First issue : 29/11/04Revised : 21/03/06**1. Identification of the product and of the company****Identification of the substance or preparation**Trading name: Solder wire Sn96,5 Ag3Cu0,5 FXNProduct code :Chemical nameIdentification of the company**RADIEL FONDAM**  
33, Rue Maurice Gunsbourg  
94201 Ivry sur Seine

tel : 33 (0)1 46 72 54 23

4 Rue du Fort  
21121 Hauteville les Dijon

tel : 33 (0)3 80 53 96 53

**Emergency telephone numbers:****Centre anti poison de Paris**  
**Hôpital Fernand-Widal**  
**( 33)( 1) 40 05 48 48**Print in the opposite frame the telephone number  
of your local toxicological emergency centre :.....**2. Composition / information on ingredients****HAZARDOUS INGREDIENTS**

Labelled with the R phases given in section 2 see section 16.

**Representative hazardous substances:**

No known substance of this category is present.

**Other hazardous substances:**

No known substance of this category is present.

**Substances present at a concentration below the minimum danger threshold:**

No known substance of this category is present

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**Other substances with occupational Exposure Limit Values:**

CAS 7440-31-5 TIN METAL

CAS 7440-22-4 SILVER

CAS 7440-8 COPPER

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**May trigger an allergic reaction:**

INDEX	CAS	CE	NAME	Symbol	R:	%
650-015-00-7	8050-09-7	232-475-7	COLOPHANE	Xi	Xi; R43	X%<2

**3. Hazards identification**

- This product is not classed as flammable. See the recommendations concerning the other products in the room.

**Classification of the preparation:****R 43** May cause sensitisation by skin contact**4. First aid measures**Dusts and fumes

- ✓ **Inhalation** : In case of large quantities inhaled, remove from the exposure area. Wash nose and lips.
- ✓ **Ingestion** : seek medical advice
- ✓ **Skin contact** : no known hazardous reaction, wash with water and soap.
- ✓ **Eye contact** : flush thoroughly with clear water, in case of persisting irritation seek an ophthalmologist.

**5. Fire fighting measures**

- ✓ **Sn96,5 Ag3Cu 0,5 FXN solder wire** is not flammable
- ✓ **Suitable extinguishing media** : no specific agent, use the suitable media appropriate for surrounding material.
- ✓ **Extinguishing media which must not be used** : Water on liquid metal.
- ✓ **Special exposure hazards** : inhalation of toxic fumes.
- ✓ **Special protective equipment for fire-fighters**: wear a self-contained breathing apparatus

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**6. Accidental release measures**

- **Individual precautions** : prefer handle with gloves.
- **Environmental precautions** : collect the product.
- **Methods for cleaning up** : Not relevant due to the massive form of the product .

**7. Handling and storage**

- **Handling** : set up a dust, fumes or vapour collection system at the point of emission .  
Use closed or hood covered systems for thermal operation  
avoid blow torch cutting (emission of toxic vapours)
- **Storage** : Stow away from foodstuffs . Avoid the possibility of contact with acids.
- **Conditioning materials** : recyclable containers.

**8. Exposure control / individual protection**

- **Respiratory protection** : air purifying respirator for limited operations where permissible exposure levels may be exceeded.
- **Hand protection** : appropriate gloves.
- **Eye protection** : safety glasses or facial shield (if ejections may occur).
- **Skin protection** : appropriate protective clothing.
- **Hygiene measures** : Strict hygiene requirements will be prescribed at the workplace.

**9. Physical and chemical properties**Appearance : WiresPackaging : reels of 50 g to 4 kgsCharacteristic data :

<u>pH</u> :	not applicable	<u>density (alloy)</u> :	7.35 Kg / dm <sup>3</sup> at 20° c
<u>Melting point (alloy)</u> :	217°C	<u>Acid value (Flux)</u> :	520 (Mg Koh for 1 gr of flux)
<u>Melting point ( Flux)</u> :	80 to 100° C	<u>halogen content</u> :	none
<u>Explosivity</u> :	not concerned		
<u>Solubility</u> :	insoluble in water Soluble in acetic acid, in nitric acid in hot concentrated sulphuric acid		

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## 10. Stability and reactivity

- ✓ **The product is stable in normal conditions.**
- ✓ **Conditions to avoid :** mechanical and thermal operations giving rise to dusts or fumes without appropriate ventilation.  
**Materials to avoid :** due to the toxic properties of lead salts, avoid accidental contact with acids, particularly with acetic acid.
- ✓ **Hazardous decomposition products:** not applicable.

## 11. Toxicological information

This good is not concerned in its final shape.

## 12. Ecological information

- ✓ **Mobility :** not applicable
- ✓ **Persistence / dégradability :** Sn/Ag/Cu alloy is a particularly corrosion proof metal
- ✓ **Water pollution :** not available information
- ✓ **AOX data :** containing the chemical formul of heavy metals (refer to legal rules 76/464/CEE).

## 13. Disposal considerations

- **Surplus and wastes :** collect all wastes.
- **Contaminated packaging :** never use packaging for an other purpose .

## 14. Transport information

Not classified as dangerous goods by any international codes or agreements ( RID / ADR , IMDG , IATA )

## 15. Regulatory information

**Regulatory applicable to member states of the European Community:** Classification, labelling : not classified

## 16. Other information

This safety data sheet provides additional information to the technical leaflet but it does not replace it.

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The given information is honestly developed from our current knowledge of the product.

Users attention is strongly drawn to the possible risks in using a product for other uses it is made for.

It does not exempt, in any case, the user to know and comply with the texts regulating its activity .

All the mentioned regulatory , in item 15 particularly, only aim at helping the recipient to fulfil its obligations when using the product.

**R phrases given in Section 3:**

R 43: May cause sensitisation by skin contact

Quality manager : Tel number : 33 (0) 3 80 53 96 58