



27. Oktober 2011

Material Safety Data Sheet - according to directive 91/155/EWG

INTERNATIONAL STANDARD NORM ISO 11014-1

Trade Name: SC	Solder wire S-Sn99.3 Cu0.7 DIN EN 29 453	Flux F-SW 34 NF EN 29 454.1
1.) <u>Manufacturer:</u> <u>Address:</u>	EDSYN GMBH EUROPA Finkenweg 2 D 97892 Kreuzwertheim Tel.: 09342 - 6413 Fax: 09342 - 6417	
2.) <u>COMPOSITION / INFORMATION ON INGREDIENTS</u> 2.1 Hazardous ingredients: 2.2 Representative hazardous ingredients: 2.3 Other hazardous ingredients: 2.4 Substances present at a concentration below the minimum danger threshold: 2.5 Other substances with occupational Exposure Limit Values:	Labelled with the R phrases given in section 3. Not applicable Not known substance of this category is present. - CAS 7440-31-5 TIN METAL CAS 7440-8 COPPER METAL	
3.) <u>HAZARDS IDENTIFICATION</u> 3.1 Risk phrases:	This product is not classed as flammable. See the recommendations concerning the other products in the room. This product is stable. R 36 Irritating to eyes.	
4.) <u>FIRST AID MEASURES</u> Dusts and fumes: 4.1 In case of exposition by inhalation: 4.2 In case of skin contact: 4.3 In case of ingestion: 4.4 In case of eye contact:	In case of large quantities inhaled, remove from the exposure area. Wash nose and lips. Wash with water and soap. Seek medical advice. Flush thoroughly with clear water. In case of persisting irritation seek an ophthalmologist.	
5.) <u>ACCIDENTAL RELEASE MEASURES</u> 5.1 Suitable extinguishing media: 5.2 Extinguishing media which must not be used:	Solder wires Sn 99.3 Cu 0,7 are not flammable. No specific agent, use the suitable media appropriate for surrounding material. Water on liquid metal.	



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5.3 Special exposure hazards: 5.4 Special protective equipment for fire fighters:	Inhalation of toxic fumes. Wear a self-contained breathing apparatus.
6.) <u>ACCIDENTAL RELEASE MEASURES</u> 6.1 Individual precautions: 6.2 Precaution for protecting the environment: 6.3 Methods for cleaning up:	Refer to the protection measures listed in sections 7 & 8. Collect the product. Not relevant due to the massive form of the product.
7.) <u>HANDLING AND STORAGE</u> 7.1 Handling: 7.2 Storage: 7.3 Materials of packaging:	Set up a dust, fumes or vapour collection system at the point of emission. Use closed or hood covered systems for thermal operation. Avoid the possibility of contact with acids. Recyclable
8.) <u>EXPOSURE CONTROL/INDIVIDUAL PROTECTION</u> 8.1 Respiratory protection: 8.2. Hand protection: 8.3 Eye protection: 8.4 Skin protection: 8.5 Hygiene measures:	Respiratory mask with cartridges in case of punctual intervention. Appropriate gloves. Safety glasses or facial shield (if ejection's may occur). Appropriate protective clothing. Strict hygiene requirements will be prescribed at the workplace.
9.) <u>PHYSICAL AND CHEMICAL PROPERTIES</u> Physical state: PH: Density (alloy): Melting point (alloy): Melting point (Flux): Explosivity: Solubility:	Wires Not applicable 7.3 Kg/dm³ at 20° C 227° C 80 to 100° C Not concerned Insoluble in water Soluble in acetic acid in nitric acid, in hot concentrated sulphuric acid.
10.) <u>STABILITY AND REACTIVITY</u> Conditions to avoid: Hazardous decomposition products:	The product is stable in normal conditions. Mechanical and thermal operations giving risk to dusts or fumes without appropriate ventilation. Not applicable



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11.) <u>TOXICOLOGICAL INFORMATION</u>	The product under its final form is not concerned. An accurate intoxication by ingestion or skin contact is not to be feared.
12.) <u>ECOLOGICAL INFORMATION</u> Mobility: Persistence/degradability: Water pollution: AOX-Data:	Not applicable Sn/Cu alloy is a particularly corrosion proof metal. No data available. Containing the chemical formula of heavy metals (refer to legal rules 76/464/CEE).
13.) <u>DISPOSAL CONSIDERATIONS</u> Surplus and wastes: Contaminated packaging:	Collect all wastes. Never use packaging for another purpose.
14.) <u>TRANSPORT INFORMATION</u> Regulations: Class: UN number: Danger code: Packing group: FS: Marine pollutant: Label: Proper shipping name:	Land transport Maritime transport Air transport NOT CLASSIFIED AS DANGEROUS GOODS BY ANY INTERNATIONAL CODES OR AGREEMENTS (ADR/IMDG/IATA).
15.) <u>REGULATORY INFORMATION</u> Regulatory applicable to member states of the European Community: Classification, labelling directive 67/548/CEE: R-Phrases: R 36 S-Phrases:	Not classified - Irritating to eyes Not applicable
16.) <u>OTHER INFORMATION</u>	The relevant data sheet is applicable here. The information contained here in is based on data considered accurate and is offered at no charge. Our aim, by providing the above information which reflects the current status of our knowledge and experience is to describe our product in terms of safety requirements. Liability is expressly disclaimed for loss or injury arising out of use of this information or the use of any materials designated. Supplementary copies of this data sheet are available on request.

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