



16. März 2012

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

**INTERNATIONAL STANDARD NORM ISO 11014-1**

Trade Name: SSC	Solder wire S-Sn99.3 Cu0.7 DIN EN 29 453	F-SW32 Type 1.1.3.B 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>COMPOSITIONS / INFORMATION ON INGREDIENTS</u>  2.1 Hazardous Ingredients:  2.2 Representative hazardous substances:  2.3 Other hazardous substances:  2.4 Substances present at a concentration below the minimum danger threshold:  2.5 Other substances with occupational Exposure Limit Values:  2.6 May trigger an allergic reaction:	Labeled with the R phrases given in section 2 see section 16.  No known substance of this category is present.  No known substance of this category is present.  No known substance of this category is present.  CAS 7440-31-5 Tin metal CAS 7440-8 Copper  <b>INDEX: CAS: CE: NAME: SYMBOL: R: % :</b>  650-015-00-7 8050-09-7 232-475-7 COLOPHANE Xi 43 X%<2	
3.) <u>HAZARDS IDENTIFICATION</u>  <u>Classification of the preparation:</u>	This product is not classified as flammable. See the recommendations concerning the other products in the room.  <b>R 43</b> May cause sensitization by skin contact.	
4.) <u>FIRST AID MEASURES</u>  <u>Dusts and fumes</u>  4.1 Inhalation:  4.2 Ingestion:  4.3 Skin contact:  4.4 Eye contact:	In case of large quantities inhaled, remove from the exposure area. Wash nose and lips.  Seek medical advice.  No known hazardous reaction, wash with water and soap.  Flush thoroughly with clear water; in case of persisting irritation seek an ophthalmologist.	



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<p>5.) <b><u>FIRE FIGHTING MEASURES</u></b></p> <p><b><u>Sn 99.3Cu0.7FSW32 solder wire:</u></b></p> <p><b>5.1 Suitable extinguishing media:</b></p> <p><b>5.2 Extinguishing media which must not be used:</b></p> <p><b>5.3 Special exposure hazards:</b></p> <p><b>5.4 Special protective equipment for fire-fighters:</b></p>	<p>Is not flammable.</p> <p>Not specific agent, use the suitable media appropriate for surrounding material.</p> <p>Water on liquid metal.</p> <p>Inhalation of toxic fumes.</p> <p>Wear a self-contained breathing apparatus.</p>
<p>6.) <b><u>ACCIDENTAL RELEASE MEASURES</u></b></p> <p><b>6.1 Individual precautions:</b></p> <p><b>6.2 Environmental precautions:</b></p> <p><b>6.3 Methods for cleaning up:</b></p>	<p>Prefer handle with gloves.</p> <p>Collect the product.</p> <p>Not relevant due to the massive form of the product.</p>
<p>7.) <b><u>HANDLING AND STORAGE</u></b></p> <p><b>7.1 Handling:</b></p> <p><b>7.2 Storage:</b></p> <p><b>7.3 Conditioning materials:</b></p>	<p>Set up a dust, fumes or vapor collection system at the point of emission. Use closed or hood covered systems for thermal operation, avoid blow torch cutting (emission of toxic vapors).</p> <p>Stow away from foodstuffs. Avoid the possibility of contact with acids. Recyclable containers.</p>
<p>8.) <b><u>EXPOSURE CONTROL/INDIVIDUAL PROTECTION</u></b></p> <p><b>8.1 Respiratory protection:</b></p> <p><b>8.2 Hand protection:</b></p> <p><b>8.3 Eye protection:</b></p> <p><b>8.4 Skin protection:</b></p> <p><b>8.5 Hygienic measures:</b></p>	<p>Take an air purifying respirator for limited operations where permissible exposure levels may be exceeded.</p> <p>Appropriate gloves.</p> <p>Safety glasses or facial shield (if ejections may occur).</p> <p>Appropriate protective clothing.</p> <p>Strict hygiene requirements will be prescribed at the workplace.</p>
<p>9.) <b><u>PHYSICAL AND CHEMICAL PROPERTIES</u></b></p> <p><b>Appearance:</b></p> <p><b>Packaging:</b></p> <p><b><u>Characteristic data:</u></b></p> <p><b>Ph:</b></p> <p><b>Melting point (alloy):</b></p> <p><b>Melting point (flux):</b></p> <p><b>Density (alloy):</b></p> <p><b>Acid value (flux):</b></p> <p><b>Halogen content:</b></p> <p><b>Explosivity:</b></p> <p><b>Solubility:</b></p>	<p>Wires</p> <p>Reels of 50 g to 4 kg</p> <p>Not applicable</p> <p>227° C</p> <p>80 to 100° C</p> <p>7.29 Kg / dm<sup>3</sup> at 20° C</p> <p>520 (Mg Koh for 1 gr. of flux)</p> <p>none</p> <p>not concerned</p> <p>insoluble in water,</p> <p>soluble in acetic acid, in nitric acid , in hot concentrated sulfuric acid</p>



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<p><b>10.) <u>STABILITY AND REACTIVITY</u></b></p> <p><b>Conditions to avoid:</b></p> <p><b>Materials to avoid:</b></p> <p><b>Hazardous decomposition products:</b></p>	<p><b>The product is stable in normal conditions.</b></p> <p>Mechanical and thermal operations giving rise to dusts or fumes without appropriate ventilation.</p> <p>Due to the toxic properties of lead salts, avoid accidental contact with acids, particularly with acetic acid.</p> <p>Not applicable.</p>
<p><b>11.) <u>TOXICOLOGICAL INFORMATION</u></b></p> <p><b>Toxicological analyses:</b></p>	<p>This good is not concerned in its final shape.</p>
<p><b>12.) <u>ECOLOGICAL INFORMATION</u></b></p> <p><b>Mobility:</b></p> <p><b>Persistence/Degradability:</b></p> <p><b>Water pollution:</b></p> <p><b>AOX-Data:</b></p>	<p>Not applicable.</p> <p>Sn/Cu alloy is a particularly corrosion proof metal.</p> <p>Not available information.</p> <p>Containing the chemical formula of heavy metals (refer to Legal rules 76/464/CEE)</p>
<p><b>13.) <u>DISPOSAL CONSIDERATIONS</u></b></p> <p><b>Surplus and wastes:</b></p> <p><b>Contaminated packaging:</b></p>	<p>Collect all wastes.</p> <p>Never use packaging for another purpose.</p>
<p><b>14.) <u>TRANSPORT INFORMATION</u></b></p>	<p>Not classified as dangerous goods by any international codes or agreements (RID/ADR, IMDG, IATA)</p>
<p><b>15.) <u>REGULATORY INFORMATIONS</u></b></p> <p><b>Classification, labeling:</b></p>	<p><b>Regulatory applicable to member states of the European Community</b></p> <p>Not classified.</p>
<p><b>16.) <u>OTHER INFORMATION</u></b></p>	<p>The relevant data sheet is applicable here.</p> <p>The information contained here in is based on data considered accurate and is offered at no charge.</p> <p>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.</p> <p>Liability is expressly disclaimed for loss or injury arising out of use of this information or the use of any materials designated.</p> <p>Supplementary copies of this data sheet are available on request.</p>

# EDSYN GMBH EUROPA

Zentrum für Löt- und Entlötsysteme



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