### Zentrum für Löt- und Entlötsysteme



EDSYN GMBH EUROPA, Postfach 1169, D-97888 Kreuzwertheim

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

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5.3 Special exposure hazards:  5.4 Special protective equipment for fire fighters:  Wear a self-contained breathing apparatus.  6.) ACCIDENTAL RELEASE MEASURES  6.1 Individual precautions:  Refer to the protection measures listed in sections 7 & 8.  6.2 Precaution for protecting the environment:  Collect the product.  Not relevant due to the massive form of the product.  7.) HANDLING AND STORAGE  7.1 Handling:  Set up a dust, fumes or vapour collection system at the point Use closed or hood covered systems for thermal operation.	
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7.2 Storage: Avoid the possibility of contact with acids.	
7.3 Materials of packaging: Recyclable	
8.) EXPOSURE CONTROL/INDIVIDUAL PROTECTION	
8.1 Respiratory protection: Respiratory mask with cartridges in case of punctual interve	ention.
8.2.Hand protection: Appropriate gloves.	
8.3 Eye protection: Safety glasses or facial shield (if ejection's may occur).	
8.4 Skin protection: Appropriate protective clothing.	
8.5 Hygiene measures: Strict hygiene requirements will be prescribed at the workpla	lace.
9.) PHYSICAL AND CHEMICAL PROPERTIES	
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 sulph	ohuric acid.
10.) STABILITY AND REACTIVITY  The product is stable in normal conditions.	
Conditions to avoid:  Mechanical and thermal operations giving risk to dusts or fu appropriate ventilation.	umes without
Hazardous decomposition products: Not applicable	

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11.)	TOXICOLOGICAL INFORMATION	The product under its final form is not concerned.		
		An accurate intoxication by ingestion or skin contact is not to be feared.		
12.)	ECOLOGICAL INFORMATION			
Mobility:		Not applicable		
	Persistence/degradability:	Sn/Cu alloy is a particularly corrosion proof metal.		
Water pollution:		No data available.		
	AOX-Data:	Containing the chemical formula 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 another purpose.		
14.)	TRANSPORT INFORMATION  Regulations:	Land transport Maritime transport Air transport		
	Class: UN number:	NOT CLASSIFIED AS DANGEROUS GOODS BY ANY		
	Danger code: Packing group:	INTERNATIONAL CODES OR AGREEMENTS (ADR/IMDG/IATA).		
	FS: Marine pollutant: Label: Proper shipping name:			
15.) REGULATORY INFORMATION				
	Regulatory applicable to member states of the European Community:	Not classified		
	Classification, labelling directive 67/548/CEE:	-		
	R-Phrases: R 36	Irritating to eyes		
	S-Phrases:	Not applicable		
16.)	OTHER INFORMATION	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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