

**MATERIAL SAFETY  
DATA SHEET  
EASY PRINT Sn96,5/Ag3/Cu0,5**

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Revision 1.03  
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**1. IDENTIFICATION OF THE SUBSTANCE /PREPARATION AND  
MANUFACTURER /DISTRIBUTOR**

TRADE NAME OF THE PRODUCT	<b>EASY PRINT Sn96,5/Ag3/Cu0,5</b>
APPLICATION AREA	Mixture of organic acid of a small amount, rosin , wax, thinner and solder powder.
MANUFACTURER'S NAME	AG Termopasty Grzegorz Gąsowski 18-100 Łapy, ul. Harcerska 8 tel/fax (0 85) 715 33 28 E-mail: biuro@termopasty.pl
EMERGENCY TELEPHONE NUMBER	(0 85) 715 33 28;

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**2. HAZARD IDENTIFICATION OF THE PREPARATION**

Irritant. May cause sensitization by skin contact. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Heating can release hazardous gases.

**3.COMPOSITION /INFORMATION ON INGREDIENTS**

<b>Substances</b>	<b>CAS No</b>	<b>WE No Index No</b>	<b>Concentration (% by weight)</b>
Tin	7440-31-5	2311418	80-90
Silver	7440-22-4	2311313	1-5
Copper	7440-50-8	2311596	0,1-1
Rosin Acid	8050-09-7	232-47-57	3-6
Thinner	Trade secret		2-5

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**4. FIRST AID MEASUREMENTS**

**INHALATION**

In case of any problems with breathing provide sufficient inflow of fresh air and seek medical attention. If required, provide artificial respiration

**SKIN CONTACT**

Wipe contaminated skin with paper or cloth then wash the skin with soap and warm water. If skin irritation persists obtain medical attention.

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**EYE CONTACT**

Flush opened eyes with plenty of water for at least 15min. If irritation of eyes persists obtain medical attention.

**INGESTION**

If conscious, drink plenty of water. Call a physician immediately. Do not induce vomiting.

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**5. FIRE FIGHTING MEASURES****SUITABLE EXTINGUISHING MEDIA**

Fire foam, extinguishing powders, carbon dioxide

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Toxic metal oxide fume

**SPECIAL PROTECTION EQUIPMENT FOR FIRE FIGHTING PERSONNEL**

Combustion may lead to formation of products that are hazardous for health. Wear gas-tight protective clothing and equipment for protection of the respiratory tract (self-contained breathing apparatus).

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**6. MEASURES IN CASE OF UNINTENTIONAL RELEASE INTO ENVIRONMENT****INDIVIDUAL PRECAUTIONS**

Provide suitable equipment for individual protection (clothing, goggles and protecting gloves). Ensure adequate ventilation

**PRECAUTIONS WITH RESPECT TO PROTECTION OF NATURAL ENVIRONMENT**

Do not allow material to be released to the environment without proper governmental permits.

**MEASURES FOR CLEANING /COLLECTING**

Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.

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**7. HANDLING AND STORAGE****HANDLING THE PRODUCT**

Ensure good ventilation at the workplace. Avoid contact with the skin and the eyes. Do not breathe vapors/dust. Wash hands before breaks and immediately after handling the product. Open and handle container with care.

**PROTECTION MEASURES AGAINST FIRE OR EXPLOSION**

No special measures required.

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**STORAGE**

Store in cool and dry place with sufficient ventilation. Containers, when in use, must be kept tightly closed. Avoid direct exposure to sun radiation. Do not store together with oxidizing and strong acids.

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**8 .EXPOSURE CONTROL AND PERSONAL PROTECTION MEASURES****HAZARDOUS SUBSTANCES. THRESHOLD LIMITS FOR MAXIMUM ALLOWABLE CONCENTRATIONS THAT ARE SUBJECT TO CONTROL**

Substances	Nr CAS	NDS mg/m <sup>3</sup>
1. Tin metal, tin oxide and inorganic tin compounds, except tin hydride	7440-31-5	
Belgium,Denmark, Finland,Netherlands Germany		2 2
Hungary		1; 2
Ireland, Switzerland, United Kingdom		2; 4
2. Copper, elemental, and inorganic compounds	7440-50-8	
Belgium, Denmark, Germany		0,1
Finland, France, Switzerland, United Kingdom		0,2
3. Silver, elemental, and inorganic compounds	7440-22-4	
Belgium, Finland, France, United Kingdom		0,1
Denmark, Germany, Switzerland		0,01
4. Rosin acid		Not required
5. Thinner		Not required

**ADDITIONAL REFERENCES**

Regulation of MPiPS (Ministry of Labour and Social Policy) (OJ No 217/2002, pos.1833, amendments in OJ No 212/2005, pos. 1769).

**DETERMINATION IN AIR AT WORKPLACES**

Regulation of the Ministry of Health (OJ No nr 73/2005, pos. 645).

PN-EN 1540:2004 Workplace atmospheres – Terminology, PN-Z-04008-7:2002. Protection of air purity. Measurements for concentration of chemical substances and industrial dusts in workplace atmosphere. Rules for taking samples from the workplace air interpretation of measurement results. PN-Z-04008-7:2002/Az1:2004 Amendment to the standard: Protection of air purity. Measurements for concentration of chemical substances and industrial dusts in workplace atmosphere. Rules for taking samples from the workplace air interpretation of measurement results.

**BIOLOGICAL MONITORING**

Unspecified

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**RESPIRATORY PROTECTION:**

Avoid inhalation of the dust. Under emergency conditions use a breathing apparatus with half mask cartridge respirators or self-contained breathing apparatuses (SCBA) with dust filters.

**EYE PROTECTION**

Avoid eye contact. When handling the product and risk to exposure is probably use protective goggles with lateral covers or mist-free (ventilated) protective goggles (when combined with a half-mask).

**SKIN PROTECTION**

Avoid skin contact. Wear protective clothes of natural, nitrile or butyl rubber or vinyl polyalcohol.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical state	solid paste, gray
Odour:	Mild Odor
pH:	n/a
Boiling point/Boiling rang:	260 °C
Melting point/Melting range	217 °C
Flash point	141 °C
Ignition temperature	Not determined
Explosion limits	Not determined
Specific gravity:	4-5
Vapor pressure	Not determined
Solubility in / Miscibility with water	Insoluble
%Volatile by volume	< 5%

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**10. STABILITY AND REACTIVITY****STABILITY**

Stable under recommended storage and application condition. No hazardous polymerization is anticipated.

**MATERIALS THAT SHOULD BE AVOIDED**

Avoid contacts with aggressive oxidants.

**HAZARDOUS DECOMPOSITION PRODUCTS**

Irritating and toxic fumes and gases, tin/tin oxides , silver fumes and copper fumes.

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**11. TOXICOLOGICAL INFORMATION****ACUTE TOXICITY**

None specified by manufacturer.

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**SKIN CONTACT.**

Avoid skin contacts. May be irritating to skin.

**EYE CONTACT.**

Avoid eye contacts. May be irritating to eyes.

**INGESTION:**

The preparation, when swallowed, may be a reason for disorders of the digestion tract. Seek immediate medical attention.

**EMERGENCY/FIRST AID PROCEDURE:**

Eyes: Immediately flush w/plenty of water for 15 min. Skin: Wash thoroughly w/soap & water.

Inhalation: Remove to fresh Air. Obtain medical attention in all cases.

**OTHER INFORMATION**

Metallic tin and inorganic tin compounds may cause nausea, vomiting, diarrhea, irritation and pneumoconiosis.

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**12. ECOLOGICAL INFORMATION**

**GENERAL NOTES**

Do not allow material to be released to the environment without proper governmental permits.

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**13. DISPOSAL CONSIDERATIONS**

**REMNANTS OF USED PRODUCTS**

Do never dispose to sewers. Prevent from pollution of watercourses and subterranean water. Dispose separately from municipal wastes. Incinerate in incineration plants for hazardous products in presence of easily-combustible materials. The method for disposal of collected waste products must be agreed with the competent local authorities (Environmental Department of Province or County Administration)

**CONTAMINATED PACKAGES**

Handle over all the empty disposable unit packages to an authorized company that deals with neutralization of wastes.

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**14. TRANSPORT INFORMATION**

The substance is not classified as a hazardous material during transportation and is exempted from RID /ADR regulations. Can be carried by whichever transportation means with respect to the transport regulations in force.

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## 15. REGULATORY INFORMATION

The product is subject to regulations on marking.

### The warning sign



**Xi** –Irritant

### Text of all R-phrases referred to in Section 2

**R33**- Danger of cumulative effects.

**R36**- Irritating to eyes

### Phrases on safe application of the preparation (S-phrases)

**S24** – Avoid contact with skin.

**S25** - In case of contact with eyes, rinse immediately with plenty of water and medical advice.

**S37** – Wear suitable gloves.

**S45** - In case of accident or if you feel unwell, seek medical advice immediately.

### Regulations of the European Union

EU Directive 67/548/EEC with further amendments and along with the edition No 29 (2004/73/EC)

### Domestic regulations

Act of 11<sup>th</sup> January 2001 on chemical substances and preparations (OJ No 11/2001, pos. 84 with further amendments), Regulation of the Minister of Health of 28<sup>th</sup> September 2005 on the list of hazardous substances along with classification and marking thereof (OJ No 201/2005, pos. 1674), Regulation of the Minister of Health of 3<sup>rd</sup> July 2002 on material safety data sheets for hazardous substances and preparations (OJ No 140/2002, pos. 1171), Regulation of the Minister of Health of 14<sup>th</sup> December on amending the regulation on material safety data sheets for hazardous substances and preparations (OJ No 2/2005, pos. 8), Regulation of the Minister of Health of 2<sup>nd</sup> September 2003 on criteria and methods for classification of chemical substances and preparations (OJ No 171/2003, pos. 1666 with amendments in OJ No 243/2004, pos. 2440), Regulation of the Minister of Health of 2<sup>nd</sup> September 2003 on marking and identification of packages for hazardous substances and preparations, (OJ No 173/2003, pos. 1679, with amendments in OJ No 260/2004 pos. 2595), Regulation of the Minister of Health of 14<sup>th</sup> August 2002 on the obligation to submit Material Safety Data Sheets for those preparations that exempt from classification as hazardous ones (OJ No 142/2002, pos. 1194), Regulation of the Minister of Labour and Social Policy on the maximum allowable concentrations and intensities of substances that are hazardous to health in working environment (OJ No 217/2002, pos. 1833), Regulation of the Minister of Health of 20<sup>th</sup> April 2005 on monitoring and measurements for factors that are hazardous to health in working environment (OJ No 73/2003, pos. 645), Regulation of the Minister of Health of 1<sup>st</sup> December 2004 on substances, preparations, factors or technological processes that may exhibit cancerogenous or mutagenous effect in working environment (OJ No 280/2004, pos. 2771), Regulation of the Government of 24<sup>th</sup> August 2004 on the list of operations that are prohibited to adolescent employees and special procedures of assigning some of such work (OJ No

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200204, pos. 2047), Regulation of the Government of 10<sup>th</sup> September 1996 on the work that is extremely burdensome or harmful to women's health (OJ Np 14/1996, pos. 545 with further amendments), Regulation of the Minister of Health and Social Care of 30<sup>th</sup> May 1996 on medical examination of employees, scope of prophylactic health care to employees and medical decisions that are issued for the purposes pursuant to Labour Code (OJ No 69/1996, pos. 332 with further amendments, Act of 28<sup>th</sup> October on road transportation of hazardous goods (OJ No 199/2002, pos. 1671 with further amendments), Act of 31<sup>st</sup> March 2004 on railway transportation of hazardous goods (OJ No 97/2004 pos. 962), Act of 27<sup>th</sup> April 2001 on wastes (OJ No 62/2001, pos. 628 with further amendments), Regulation of the Minister of Environment of 27<sup>th</sup> September 2001 on the catalogue of wastes (OJ No 112/2001, pos. 1206 with further amendments), Act of 11<sup>th</sup> May 2001 on packages and package waste products (OJ No 632001, pos. 638 with further amendments), Regulation of the Minister of Environment of 8<sup>th</sup> July 2004 on conditions that must be met to be allowed to discharge wastewater into watercourses or ground and on substances that are extremely burdensome to the aquatic environment (OJ No 168/2004, pos. 1763), Regulation of the Minister of Infrastructure of 20<sup>th</sup> July 2002 on the procedure that must be adhered to by the industries that discharge wastewater as well as on condition for discharging wastewater into sewers (OJ No 129/2002, pos. 1108 with further amendments), Regulation of the Minister of Environment of 6<sup>th</sup> June 2002 on maximum possible thresholds for some specific airborne substances, emergency levels for some airborne substance and tolerance margins for maximum possible thresholds for some specific substances (OJ No 87/2002, pos. 769), Regulation of the Minister of Environment of 5<sup>th</sup> December 2002 on reference values for some airborne substances (OJ No 1/2003, pos.12), Regulation of the Minister of Economy and Labour of 5<sup>th</sup> July 2004 on restrictions, bans and specific conditions applicable to manufacturing, trade or use of hazardous substances and preparations as well as those containing such products (OJ No 168/2004, pos. 1762 with further amendments in OJ No 39/2005, pos. 372).

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## **16. OTHER INFORMATION**

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.