

Safety Data Sheet

According to 1907/2006/EC, Article 31 REACH

Warton Metals Limited
Grove Mill,
Commerce Street, Haslingden
Lancashire BB4 5JT UK

Tel: +44 (0) 1706 218888
Fax: +44 (0) 1706 221188
Web: www.warton-metals.co.uk



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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product Identifier	
Product Name	Microprint P2010 No Clean Solder Paste SAC305 (RoHS Compliant)
1.2. Relevant Identified uses of the substance or mixture and uses advised against	
Description	Solder paste for soldering. For Industrial Use.
1.3. Details of the supplier of the safety data sheet	
Company Address Web Telephone Fax Email Email of competent person	Warton Metals Limited Grove Mill Commerce Street Haslingden Lancashire BB4 5JT England www.warton-metals.co.uk 01706 218888 01706 221188 sales@warton-metals.co.uk sds@warton-metals.co.uk
1.4. Emergency telephone number	
Emergency Telephone Number	+44(0)1706 218888 (8am-5pm Monday-Friday)



SECTION 2: Hazards Identification

This product is classified as dangerous according to directive 1999/45/EEC and its amendments.

2.1. Classification of the substance or mixture	
Classification- EU Directive 67/548/EEC 1999/45/EC Main Hazards	<i>Rosin</i> – Exposure to this material may cause sensitive individuals to develop eczema and/or asthma. Sensitised persons may subsequently show asthmatic symptoms when exposed to atmospheric concentration below the occupational exposure limits. Persons with a history of asthma, allergies or any respiratory problems should not be employed in any process in which the product is used. May cause an allergic skin reaction with repeated exposure. Hazardous in case of skin contact (sensitizer) Hazardous in case of eye contact (irritant) Hazardous in case of ingestion, may accumulate in human organs (irritant)

2.2. Label Elements EU Directive 67/548/EEC 1999/45/EC	
Symbols	
Risk Phrases	Xi, Irritant Contains colophony R42- May cause sensitization by inhalation. R43 – May cause sensitization by skin contact.
Safety Phrases	S23 –Do not breathe fumes S24 – Avoid Contact with skin S37 – Wear suitable gloves

Label Elements EC 1272/2008 (CLP/GHS)

Classification- EC 1272/2008 Main Hazards	Rosin –skin sensitization (Category 1) Rosin -Respiratory sensitization (Category 1)
GHS Symbols	  GHS07 GHS08

Hazard Statements	Signal Word: Warning H317: May cause an allergic skin reaction H334: May cause allergy or asthma symptoms of breathing difficulties if inhaled.
Precautionary Statements	P261: Avoid breathing fumes. P280: Wear protective gloves
Precautionary Statements Response	P285: In case of inadequate ventilation wear respiratory protection. P302+P352: IF ON SKIN, Wash with plenty of soap and water. P304+P341: IF INHALED, If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. P333+P313: If skin irritation or rash occurs, get medical advice/attention.

SECTION 3: Composition/Information on ingredients

3.1. This material is defined as a mixture
67/548/EEC/1999/45/EC

Chemical Name	CAS No	EC No.	REACH Registration Number	Conc.(%w/w)	DSD Classification
Tin	7440-31-5	231-141-8	01-2119486474-28-xxxx	80-100	Not classified
Silver	7440-22-4	231-131-3	01-2119555669-21-xxxx	<5	Not classified
Copper	7440-50-8	231-159-6	01-2119480154-xxxx	<1	Not classified
Rosin –Colophony	8050-09-7	232-475-7	Not available	<10	Xi-Irritant, R43

Solder Paste contains 80-90% metals and remainder flux

SECTION 4: First Aid Measures

4.1. Description of first aid measures

Inhalation	Get medical attention if adverse health effects persist or are severe. Keep warm and at rest. If breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. If not breathing, give artificial respiration. If unconscious place in the recovery position and get medical attention immediately.
Eye contact	Flush eyes with plenty of water. Make sure contaminated water washes away from the face and clear upper and lower eyelids. Continue to rinse for 10 minutes.
Skin contact	Wash off with soap and plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing before re-use. In the event of any complaints or symptoms, avoid further exposure.
Ingestion	Rinse mouth with water. Will irritate gastric tract. Do not induce vomiting. If vomiting occurs, the head should be kept low as to not allow vomit into lungs. Never give anything by mouth to an unconscious person. If unconscious place in the recovery position. Obtain medical attention immediately.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation	Prolonged or repeated exposure may cause an allergic reaction to develop. Prolonged or repeated exposure to the fumes emitted during reflow may cause sensitization which could lead to occupational asthma. May cause irritation to respiratory system.
Eye Contact	Irritating and abrasive.
Skin Contact	May cause irritation to skin
Ingestion	May cause irritation to mucous membranes.

4.3 Indication of any immediate medical attention and special treatment needed

Seek medical attention if any symptoms persist
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SECTION 5: Firefighting Measures

5.1. Extinguishing Media

Use extinguishing media appropriate to the surrounding fire conditions
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5.2. Special hazards arising from the substance or mixture

No specific fire or explosion hazard. Hazardous decomposition products may include carbon dioxide, carbon monoxide, metal oxide/oxides.

5.3 Advice for Fire Fighters

Remove all persons from the area of the accident if there is a fire. Fire fighters should wear self-contained breathing apparatus with a full face piece operated in positive pressure mode.
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SECTION 6: Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Do not walk through or touch spilt material.

	Ensure adequate ventilation of the working area.
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6.2. Environmental precautions

	Do not allow product to enter drains, soil, waterways and sewers. Prevent further spillage if safe
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6.3. Methods and material for containment and cleaning up

	Sweep up and shovel. Keep in suitable closed containers for disposal.
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6.4. reference to other sections

	See section 2,8,13 for further information
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SECTION 7: Handling and Storage

7.1. Precautions for safe handling

	Put on appropriate protective equipment (latex gloves or similar). Ensure adequate ventilation of the working area. Wash hands with soap and warm water after handling soldering products. Workers should wash hands before eating, drinking or smoking. Adopt best manual handling considerations when handling, carrying and dispensing. Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Keep container tightly closed when not in use.
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7.2. Precautions for safe storage, including and incompatibilities

	Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers. Keep away from direct sunlight. Keep away from food and drink.
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7.3. Specific end use(s)

	Solder paste for electronics use
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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure Limit Values

Rosin	0.15 mg/ m ³ 15 mins UK EH40: MEL (Skin sensitizer).
Tin	2 mg/ m ³ 8 hour Time Weighted Average, UK EH40
Silver	0.1 mg/ m ³ 8 hour Time Weighted Average, UK EH40
Copper	0.2mg/m ³ 8 hour Time Weighted Average, UK EH40

8.2. Exposure Controls

8.2.1 Appropriate engineering controls	Extraction should be used to reduce exposure. Please use health and safety guidelines to choose suitable extraction.
8.2.2. Individual protection measures	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the work day. Wash contaminated clothing before re-use. Ensure that eye wash stations are close to the work area.
Eye/face protection	Wear protective clothing. Disposable vinyl gloves.
Skin / Hand protection	Use safety goggles.
Biological Standards	None
Environmental exposure controls	The material possesses minimal risk to the environment.

SECTION 9: Information on basic physical and chemical properties

State	Paste
Colour	Grey
Odour	Mild
pH	No data available
Melting point	217°C-220°C
Freezing point	Not available
Boiling point	Higher than 260°C
Flash point	Not available
Evaporation rate	Not available
Flammability limits	Not available
Vapour flammability	Not available
Vapour pressure	Not available
Vapour density	Not available
Relative density	Not available
Fat solubility	Not available
Partition coefficient	Not available
Autoignition temperature	Not available
Viscosity	Not available
Solubility	Insoluble in water

9.2. Other Information

Conductivity	No data available
Surface Tension	No data available
Gas group	No data available

SECTION 10: Stability and Reactivity

10.1. Reactivity

	No data available on this product
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10.2. Stability

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10.3. Possibility of Hazardous Reactions

	Solder paste will react with strong oxidising agents.
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10.4. Conditions to avoid

	None
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10.5. Incompatible Materials

	Strong oxidizing agents
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10.6. Hazardous Decomposition Products

	Under normal conditions of use, hazardous decomposition products should not be produced.
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SECTION 11: Toxicological Information

11.1. Information on toxicological effects

Inhalation	Fumes generated during use may cause sensitisation to the respiratory system and should be extracted away from the operator. Skin contact should be avoided. No information available. No information available. No information available. No information available.
Ingestion	
Skin Contact	
Eye contact	
Target Organs	
Germ cell mutagenicity	
Carcinogenicity	

SECTION 12: Ecological Information

12.1. Toxicity

	Rated as slightly toxic to aquatic species
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12.2. Persistence and degradability

	Resistant to bio-degradation and insoluble in water.
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12.3. Bioaccumulative potential

	No data available
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12.4. Mobility in soil

	No data available
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12.5. Results of PBT and vPvB assessment

	No data available
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12.6. Other adverse effects

	No data available
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SECTION 13: Disposal Considerations

General Information

	Dispose of in compliance with all local and national regulations. Empty containers may contain product residue. The product container must be disposed of in a safe way.
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Disposal methods

	Contact a licensed waste disposal company. Avoid dispersal of spilt material and runoff in contact with soil, waterways
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Disposal and Packaging

	Do NOT reuse empty containers. Empty containers can be sent for disposal and recycling.
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Further Information

	For disposal with the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used. 06 04 05 Wastes containing other heavy metals. Hazardous waste.
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SECTION 14: Transport Information

Hazard Pictograms

	Not hazardous for transport
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14.1. UN Number

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14.2. UN Proper Shipping Name

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14.3. Transport Hazard Class

ADR/RID	-
Subsidiary risk	-
IMDG	-
Subsidiary risk	-
IATA	-
Subsidiary risk	-

14.4. Packing Group

Packing Group	-
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14.5. Environmental Hazards

Environmental hazard	No
Marine Pollutant	No

ADR/RID

Hazard ID	-
Tunnel Category	-

IMDG

Ems Code	-
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IATA

Packing Instruction (Cargo)	-
Maximum quantity	-
Packing Instruction (Passenger)	-
Maximum quantity	-

SECTION 15: Regulatory Information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.2 Chemical Safety Assessment – A chemical safety assessment has not been carried out for the mixture.

Regulations	
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Commission regulation (EU) No 453/2010 of the 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Regulation, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94. Council Directive 76/769/EEC and Commission Directive 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

Regulation (EC) No 1907/2006 of the European Parliament and of the council of 18 December 2006 concerning the Regulation, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Directive (EEC) No 793/93 and Commission Regulation (EC) No 1488/94. Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC. (93/105/EC) and 2000/21/EC.

The Health & Safety at Work Act 1974

The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No.2677) as amended.

SECTION 16: Other Information

Other Information

	None
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Further Information

	The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information related only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.
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