



SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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RS-No Clean Leaded Cored Solder wire Sn60/Pb40

Revision 7

Revision date 2015-12-10

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

1.1. Product identifier

Product name	RS-No Clean Leaded Cored Solder wire Sn60/Pb40
CAS No.	7439-92-1
EC No.	231-100-4

1.2. Relevant identified uses of the substance or mixture and uses advised against

Description	Soldering.
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1.3. Details of the supplier of the safety data sheet

Company	RS Components Ltd
Address	Birchington Road Corby Northants NN17 9RS
Telephone	+44(0)1536 402888
Fax	+44(0)1536 401588
Email	technical.help@rs-components.com

1.4. Emergency telephone number

Emergency telephone number	+44(0)1536 402888 8 am - 8pm Mon-Fri
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.2. Classification - EC 1272/2008	Acute Tox. 4: H302+H332; Skin Sens. 1: H317; Acute Tox. 4: H332; Resp. Sens. 1: H334; STOT SE 3: H335; Repr. 1A: H360Df; STOT RE 2: H373; Aquatic Acute 1: H400; Aquatic Chronic 1: H410;
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2.2. Label elements

Hazard pictograms	
Signal Word	Danger
Hazard Statement	<p>Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.</p> <p>Skin Sens. 1: H317 - May cause an allergic skin reaction.</p> <p>Acute Tox. 4: H332 - Harmful if inhaled.</p> <p>Resp. Sens. 1: H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.</p> <p>STOT SE 3: H335 - May cause respiratory irritation.</p> <p>Repr. 1A: H360Df - May damage the unborn child. Suspected of damaging fertility.</p> <p>STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure .</p> <p>Aquatic Acute 1: H400 - Very toxic to aquatic life.</p> <p>Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.</p>

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2.2. Label elements

Precautionary Statement: Prevention	P202 - Do not handle until all safety precautions have been read and understood. P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P264 - Wash thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. P271 - Use only outdoors or in a well-ventilated area. P273 - Avoid release to the environment. P281 - Use personal protective equipment as required. P285 - In case of inadequate ventilation wear respiratory protection. Rosin: Caution: exposure to this material may cause certain sensitive individuals to develop eczema and/or asthma. Sensitised persons may subsequently show asthmatic symptoms when exposed to atmospheric concentrations well below the OEL. Persons with a history of asthma, allergies or chronic or recurrent respiratory disease should not be employed in any process in which this product is used.
Precautionary Statement: Response	P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. P302+P352 - IF ON SKIN: Wash with plenty of soap and water. P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P314 - Get medical advice/attention if you feel unwell.
Precautionary Statement: Storage	P405 - Store locked up. Store in a dry place.
Precautionary Statement: Disposal	Containers must be recycled in compliance with national legislation and environmental regulations. Do not empty into drains; dispose of this material and its container in a safe way.
Further information	Warning! Contains lead. Danger of cumulative effects.

SECTION 3: Composition/information on ingredients

3.1. Substances

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Lead		7439-92-1	231-100-4	01-2119513221-59	35-45%	T; R61 Xn; R22-33-62
Tin		7440-31-5	231-141-8	01-2119486474-28	60-70%	
Mod Rosin (Rosin-based solder flux fume)		65997-05-9	500-163-2	01-2119964093-37	1 - 5%	Xi; R43

EC 1272/2008

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Lead		7439-92-1	231-100-4	01-2119513221-59	35-45%	Acute Tox. 4: H302+H332; Repr. 1A: H360Fd; STOT RE 2: H373; Aquatic Chronic 2: H411;
Tin		7440-31-5	231-141-8	01-2119486474-28	60-70%	
Mod Rosin (Rosin-based solder flux fume)		65997-05-9	500-163-2	01-2119964093-37	1 - 5%	Resp. Sens. 1: H334; STOT SE 3: H335;

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Toxic by inhalation. Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Inhalation of vapour may cause shortness of breath. Move the exposed person to fresh air. Seek medical attention.
Eye contact	May cause irritation to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
Skin contact	Toxic in contact with skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention.

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4.1. Description of first aid measures

Ingestion	Toxic if swallowed. Ingestion is irritating to the respiratory tract and may cause damage to the central nervous system. If swallowed, seek medical advice immediately and show this container or label. DO NOT INDUCE VOMITING.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

	Use as appropriate: Carbon dioxide (CO ₂), Dry chemical, Foam.
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5.2. Special hazards arising from the substance or mixture

	Burning produces irritating, toxic and obnoxious fumes.
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5.3. Advice for firefighters

	Wear: Self-contained breathing apparatus. Wear chemical protective clothing.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

	Ensure adequate ventilation of the working area. Evacuate personnel to a safe area. Wear suitable protective equipment.
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6.2. Environmental precautions

	Do not allow product to enter drains.
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6.3. Methods and material for containment and cleaning up

	Sweep up. Transfer to suitable, labelled containers for disposal.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area.
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7.2. Conditions for safe storage, including any incompatibilities

	Keep in a cool, dry, well ventilated area. Keep containers tightly closed.
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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure Limit Values

Mod Rosin (Rosin-based solder flux fume)	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m ³ : 0.05
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m ³ : 0.15
RS-No Clean Leaded Cored Solder wire Sn60/Pb40 (Lead)	DIR: 82/605	8hTWA ppm: -
	8hTWA mg/m ³ : 0.15	STEL ppm: -
	STEL mg/m ³ : -	NOT: -

8.2. Exposure controls

8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2. Individual protection measures	Wear protective clothing.
Eye / face protection	Approved safety goggles.
Skin protection - Handprotection	Chemical resistant gloves (PVC).
Respiratory protection	Suitable half mask respirator with filter P3 (EN 143).

SECTION 9: Physical and chemical properties

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9.1. Information on basic physical and chemical properties

State	Solid
Colour	Grey
Melting point	183 - 190 °C
Boiling point	197 °C
Flash point	> 115 °C
Autoignition temperature	> 226 °C
Solubility	Slightly soluble in water

SECTION 10: Stability and reactivity

10.2. Chemical stability

Stable under normal conditions.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Reproductive toxicity	May cause harm to the unborn child.
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SECTION 12: Ecological information

12.6. Other adverse effects

Harmful to aquatic life with long lasting effects.

SECTION 13: Disposal considerations

General information

Dispose of in compliance with all local and national regulations.

SECTION 14: Transport information

ADR/RID

The product is not classified as dangerous for carriage.

IMDG

The product is not classified as dangerous for carriage.

IATA

The product is not classified as dangerous for carriage.

SECTION 15: Regulatory information

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

Regulations	This Product is Classified to Regulation 1272/2008/EC(CLP).
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Further information

None.

SECTION 16: Other information

Other information

Revision	This document differs from the previous version in the following areas: 2 - Hazard pictograms. 12 - 12.6. Other adverse effects.
Text of risk phrases in Section 3	R22 - Harmful if swallowed. R33 - Danger of cumulative effects. R43 - May cause sensitisation by skin contact. R61 - May cause harm to the unborn child. R62 - Possible risk of impaired fertility.
Text of Hazard Statements in Section 3	Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled Repr. 1A: H360Fd - May damage fertility. Suspected of damaging the unborn child. STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure .

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Other information

	Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
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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 relates 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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