

This data sheet has been prepared according to EU Directives 1999/45/EC and 2001/58/EC.
Revisions from the previous version are indicated by a vertical line at the left margin.

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identification	Solder sticks, bars, ingots, pellets and solid wire of alloys:			
	Sn63Pb37	63/37	Sn60Pb40	Sn50Pb50
	Sn45Pb55	Sn40/Pb60	Sn35Pb65	Sn33Pb67
	Sn30Pb70	Sn25Pb75		
Use of Product	Soldering for electronic, electrical and engineering applications.			
Manufacturer / Supplier	Fenix Metals Sp. Z o.o.			
Address	Ul. Zakładowa 50 39-400 Tarnobrzeg Poland			
Telephone Number	+48 15 822 96 55			
Fax Number	+48 15 822 96 71			

2. COMPOSITION AND INFORMATION ON INGREDIENTS

Components in product	CAS NO:	Weight %	R Phrases	Classification
Tin	7440-31-5	20-95		
Lead	7439-92-1	5-80	R33	
R33 - Danger of cumulative effects				

3. HAZARD IDENTIFICATION

Main hazards	Not classified as hazardous. Burns from contact with molten product. Danger of cumulative effects.
Health effects - inhalation and ingestion	Exposure to dust or fumes produced during use may lead to long term health effects.
Health effects - eyes	Molten metal may cause severe damage and possibly loss of sight.
Health effects - skin	Molten metal can cause severe damage to the skin.

4. FIRST AID MEASURES

Inhalation of fumes	Remove from fumes to clean air. Seek medical advice.
Ingestion	Seek medical advice.
Eye contact	Check for contact lenses and remove if present. Flush eye immediately with cold water for at least 15 minutes. Seek medical attention.
Skin contact	In case of contact with molten metal, cool skin rapidly with cold water.

5. FIRE-FIGHTING MEASURES

Not combustible. Do not use water on molten metal. Fire may cause hazardous fumes and dust. Fire fighters should wear protective clothing and positive pressure breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Dust and dross should be kept away from drains and water courses. They should be collected by vacuum cleaning or sweeping in damped condition.

7. HANDLING AND STORAGE

Handling	Ensure that all tools and metal are dry before contact with molten metal. Use only in a well ventilated area. Do not eat, drink or smoke until handling has ceased and hands have been washed.
Storage	Keep in a dry area, out of the reach of children and away from food and drink.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure standards	Lead 0.15mg/m ³ 8hr TWA Tin 2mg/m ³ 8hr TWA
Respiratory protection	Exposure to fumes or dust should be prevented, if necessary, by engineering control measures, such as enclosure or mechanical ventilation.
Hand protection	Insulating gloves should be worn when handling molten or hot metal.
Eye protection	A face shield or safety glasses should be worn when handling molten metal.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	The product is a grey or silvery metallic solid.
Melting point	183°C to 270°C, depending on grade.
Flammability	Not flammable or explosive.
Density	8.4g/ml to 9.8g/ml, depending on grade.

10. STABILITY AND REACTIVITY

The product is stable under normal conditions of use.

Hazardous decomposition products	Excessive temperature may release metal fumes.
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11. TOXICOLOGICAL INFORMATION

Inhalation	There should be no hazard under normal conditions of use. Excessive or prolonged exposure to lead dust or fumes may damage the blood forming, nervous, urinary or reproductive systems. Lead can cause harm to the developing foetus.
Skin	The product is not an irritant or sensitiser.
Eyes	The product is not an irritant.
Ingestion	Chronic ingestion of lead dust may damage the blood forming, nervous, urinary or reproductive systems. Lead can cause harm to the developing foetus.

12. ECOLOGICAL INFORMATION

Mobility	The product is non-volatile and insoluble and will accumulate in the ground.
Persistence and degradability	The product is not biodegradable.

13. DISPOSAL CONSIDERATIONS

Product disposal	Waste product, dusts and drosses should be returned to the manufacturer or sent to a specialist recycling company. Otherwise, dispose of in accordance with local or national regulations.
Packaging disposal	Contaminated packaging should not be re-used.

14. TRANSPORT INFORMATION

UN number	None.
Air (IATA)	Not regulated.
Sea (IMDG)	Not regulated.
Road (ADR), rail (RID)	Not classified.

15. REGULATORY INFORMATION

Contains lead, which may harm your health. Lead can cause birth defects and other reproductive harm. Regulations forbid the use of lead-containing solder in any drinking water supply system and in contact with food.

Not classified for labelling.

Regulations exist in most countries to control the use of lead-containing materials at work.

16. OTHER INFORMATION

The information in this safety data sheet is reliable and current to the best of our knowledge but no warranty is expressed or implied regarding its accuracy. Liability is disclaimed for loss or injury arising out of the use of this information or of the product.

In countries other than the UK, different exposure limits may apply.