

6. ACCIDENTAL RELEASE MEASURES

Personal precautions N/A

Environmental precautions N/A

7. HANDLING AND STORAGE

Handling Wear gloves when handling

Storage Precautions should be taken not to generate dust

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Maximum Exposure Limits (MEL,s)

Substance	Long Term Exposure Limits (8 hour TWA)	Short Term Exposure Limits (15 min)
Tin Metal	2.00mg//m ³	N/A
Lead Metal	0. 015mg//m ³	N/A

Occupational exposure limits Only apply when solder is overheated normally over 500C

Personal protection equipment

Clothing Washable or disposable overalls, gloves

Eyes Safety goggles or eye sheild

9. PHYSICAL AND CHEMICAL PROPERTIES

Explosion Limit	No explosion hazard
Form	Sticks, bars and ingots.
Colour	Silvery.
Melting Point	150C to 310C Depending on alloy
Solubility in water	Insoluble in water
Flamability	Non-flammable

10. STABILITY AND REACTIVITY

Stability Stable

Hazardous decomposition Avoid fumes from overheating normally above 500C

11. TOXICOLOGICAL INFORMATION

Acute Toxicity - Inhalation	Recommended exposure limit of fume when overheated
	Lead 0.15mg/m ³
	Tin 2.00mg/m ³
Human Effects	Lead can cause weakness, vomiting, loss of appetite, convulsions and stupor.
Chronic Toxicity	Lead can cause weakness, insomnia, hypertension, headaches and pains in the joints. Chronic exposure to lead may result in damage to blood-forming, nervous, urinary and reproductive systems.

12. ECOLOGICAL INFORMATION

Prevent contamination of soil.
Tin and Lead are non-degradable and will persist in the environment, and are insoluble in water and not attacked by most inorganic acids and bases.

13. DISPOSAL CONSIDERATIONS

Waste Disposal	Store in closed containers and dispose of in accordance with local and national legislation. Ideally this product should be sent to a licensed recycling company and should on no account be sent to a landfill site
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14. TRANSPORT INFORMATION

Not classed as Hazardous for transportation

15. REGULATORY INFORMATION

Classification	X - Harmful
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16. OTHER INFORMATION

Further information on Control of Lead at Work Regulations 1998 and the Approved Code of Practice and Toxicology of Antimony which can be obtained from HSSO.

17. REVISION DATES

Date of Issue :	July 2000
Revised Date:	September 2002
Replacing	All previous Material Safety Data Sheets

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