

MJ70 Casting Alloy

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

Product Name: MJ70 Casting Alloy
Chemical Name:
Supplier: Jacobson Chemicals Ltd
 Unit 4
 Newman Lane Industrial Estate
 Alton
 Hants
 GU34 2QR
Telephone: 01420 86934
Fax: 01420 549574
E-mail: sales@jacobsonchemicals.co.uk

2. COMPOSITION

| <u>Constituents</u> | <u>%</u> | <u>CAS No</u> | <u>Limit *</u> | <u>Hazard</u> |
|---------------------|----------|---------------|------------------------|---------------|
| Tin | 34 | 7440-31-5 | 2 mg/m ³ | |
| Lead | 53 | 7439-92-1 | 0.15 mg/m ³ | |
| Bismuth | 4 | 1304-82-1 | 10 mg/m ³ | |
| Antimony | 9 | 7440-36-0 | 0.5 mg/m ³ | |

* (8hrs TWA) - Occupational Exposure Limits 1990, Guidance note EH 40/90 from Health & Safety Executive.

3. HAZARD IDENTIFICATION

The most important hazards are: Harmful if inhaled or swallowed.
Inhalation: Headaches.
Skin Contact: Redness
Eye Contact: Redness
Ingestion: Constipation, abdominal pain.
Long Term Exposure: Lead and its compounds may also cause damage to central nervous system, gastrointestinal disturbances, anaemia and wristdrop. kidney disfunction and possible injury has been associated with chronic lead poisoning.

4. FIRST AID MEASURES

Immediate medical attention: Yes
Professional assistance from physician required? Yes
Inhalation: Bring subject into fresh air.
Skin Contact: Wash with soap and water.
Eye Contact: Flush with running tap water for at least 15 minutes.
Ingestion: Do not induce vomiting, seek medical advice.

Information contained in this document is the result of careful tests carried out objectively. It has been produced to aid the Buyer, but without implying any commitment on our part. The Buyer shall remain responsible for satisfying himself that the products as supplied by us are suitable for his intended purpose. Since we cannot control the application, process, or use of these products, we cannot accept responsibility therefore.

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5. FIRE-FIGHTING MEASURES

| | |
|--|------------------------------------|
| Suitable extinguishing media: | Dry foam, sand, CO ₂ . |
| Un-suitable media: | Never use water near molten metal. |
| Required special protective equipment: | N/a |

6. ACCIDENTAL RELEASE MEASURES

| | |
|----------------------------|---------|
| Personal Precautions: | - |
| Methods of Cleaning: | Pick up |
| Environmental Precautions: | - |

7. HANDLING & STORAGE

| | |
|-----------|--|
| Handling: | Do not inhale vapour/fumes during soldering. Eating, smoking and drinking should be prohibited on shop floor areas likely to be contaminated with Lead. |
| Storage: | Scrap dross disposed in closed containers. |

8. EXPOSURE CONTROLS

| | |
|-----------------------------|--|
| Take measures to prevent: | Inhalation of fumes/vapours, contact with skin and eyes. |
| Exposure to control limits: | - |
| Respiratory protection: | Do not inhale vapours/fumes during soldering. |
| Hand Protection: | Protective gloves to be worn |
| Eye Protection: | Eye protection to be worn |
| Skin Protection: | Gloves to be worn |

9. PHYSICAL & CHEMICAL PROPERTIES

| | |
|----------------------|------------------|
| Appearance: | Shiny flat stick |
| Odour: | - |
| Colour: | Grey |
| Melting Range: | 216°C - 247°C |
| Boiling Point/range: | - |
| Flash Point: | - |
| Autoflammability: | - |
| Density: | 9.44 g/cc |
| Explosion Limits: | - |
| Viscosity: | - |
| Solubility in water: | - |
| Tap Density: | - |
| Vapour Pressure: | - |

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10. STABILITY & REACTIVITY

Conditions to avoid: -
 Materials to avoid: -
 Hazardous decomposition products: -

11. TOXICOLOGICAL INFORMATION

lhl-hmn TCL mg/m³; GIT: LIV (N.I. Sax, Dangerous Properties of Industrial Materials, 7th Ed)

12. ECOLOGICAL INFORMATION

Possible effects: -
 Behaviour: -
 Environmental fate: -

13. DISPOSAL CONSIDERATIONS

Likely residues / waste products:
 Safe handling of and residues/waste products: Offer waste to specialized destruction companies in accordance with local legislation.

14. TRANSPORT INFORMATION

Special carriage precautions in carriage: -
 Classification data: -
 UN Number: -
 Proper Shipping Name: -
 IMO - Sea: -
 ICAO - Air: -
 ADR/RID - Road/Rail: Free
 Transport Category: -
 Limited Quantity Size: -
 Additional Data: VOG/ADR - free

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15. REGULATORY INFORMATION

Supply label information:**Hazard Symbol:****Risk Phrases:**

R20/22 - Harmful by inhalation and if swallowed.

R33 - Danger for cumulative effects.

Safety Phrases:

S13 - Keep away from food, drink and smoke.

S20/21 - When using do not eat, drink or smoke.

S23 - Do not inhale smoke or fumes.

Dangerous Substances:

Lead (Pb)

16. OTHER INFORMATION

a) Training needs:

For further information contact our office.

b) Recommended uses and restrictions:

Always handle in accordance with good industrial hygiene and safety practices.

c) Further references:**d) Key data sources:**

Manufacturer's data.

The data contained in this Safety Data Sheet has been supplied as required, by the Chemicals (Hazard Identification and Packaging) Regulations 1994, as amended, for the purposes of protecting the health and safety of industrial and commercial users who are deemed capable of understanding and acting on the information provided.

Please ensure that it is passed to the appropriate person in your company, who is capable of acting on the information.

NOTE:

This data sheet does not constitute a user's assessment of workplace risk as required by HSW Act, COSHH, Management of Health and Safety at Work regulations, or other Health & Safety at Work regulations.