

# Solder Stick

## MATERIAL SAFETY DATA SHEET

### STATEMENT OF HAZARDOUS NATURE

Hazard Classification according to criteria of Worksafe Australia

### COMPANY DETAILS



Company: Dynaweld Industrial Supplies Pty Ltd  
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### IDENTIFICATION

Product Names: Bossweld 50/50 Solder Sticks  
Other Names:  
UN Number: None Allocated  
Dangerous Goods Class: None Allocated  
And Subsidiary Risk: None Allocated  
Hazchem Code: None Allocated  
Poisons Schedule Number: None Allocated  
Use: Soldering - General

### PHYSICAL DESCRIPTION & PROPERTIES

Appearance: Silver/Grey Solid  
Colour: Silver Grey  
Odour: Nil  
  
Boiling Point: N/A  
Melting Point Range: Composition of solders is variable, therefore none given.  
Vapour Pressure: N/A  
Vapour Density: N/A  
Specific Gravity: Composition of solders is variable, therefore none given  
Flashpoint: N/A  
pH: N/A  
Flammability Limits: N/A  
Solubility in Water: Insoluble

## INGREDIENTS

Chemical Name	CAS Number	Proportion
Tin	7440-31-5	30-60%
Lead	7439-92-1	40-70%
Antimony	7440-36-0	0-3%

## HEALTH HAZARD INFORMATION

### FIRST AID

Description of necessary measures according to route of exposure

*Swallowed: Give plenty of water to drink; seek medical advice if large object has been swallowed*

*Eye: Irrigate the affected eye(s) with water and seek medical advice to remove the foreign particle if possible*

*Skin: If molten material comes in contact with the skin and adheres –cool quickly with running water – do not attempt to remove. For metal dust contamination, wash the affected area with soap and water*

*Inhaled: If fume or dust is inhaled, remove victim to fresh air taking care not to become a casualty. Lay patient down and keep warm and rested. Seek medical attention*

*Medical Attention and Special*

*Treatment: Treat symptomatically*

*Aggravated Medical*

*Conditions caused*

*By exposure: Test for lead in blood if patient has had a long term exposure, particularly to dust or fume. Blood lead levels exceeding 100 ug/100ml indicate lead poisoning. Exposure to high levels of airborne or indigested lead may produce symptoms of anaemia, insomnia, weakness, constipation, nausea and abdominal pain. Women of child bearing age should avoid exposure to lead due to post natal effects. Over exposure to Tin and Antimony not expected.*

## PRECAUTIONS FOR USE

Exposure Standards:

Chemical Name	ES-TWA	ES-STEL	ES-Peak
METAL:			
Tin (Dust & Fumes)	2.0 mg/m <sup>3</sup>		
Lead	0.15 mg/m <sup>3</sup>		
Antimony	0.5 mg/m <sup>3</sup>		
Biological Limit Values	No data available		

Engineering Controls:	Adequate ventilation/extraction should be provided to keep exposure to below TWA values and to ensure operator comfort. Vacuuming is recommended
Personal Protection:	An approved dust/fume respirator should be worn when TWA values may be exceeded
Eye:	Safety Glasses or full face mask
Hands/Feet:	Leather gloves, safety boots and protective clothing should be worn and kept clean. Always wash hands before eating, drinking, smoking or using the toilet.
Respiratory Protection:	An approved dust/fume respirator should be worn when TWA values maybe exceeded.
Flammability:	Metal: Non Flammable Resin: Can burn – if enough is extracted

### SAFE HANDLING INFORMATION

Storage and Transport:	Material stable. Storage and transport should not present a problem.
Spills and Disposal:	Small Spills/leaks: In molten state allow to solidity and cool. Break up and recycle as scrap
Special Protective Equipment:	Fire fighter should wear self contained breathing apparatus and protective clothing if exposed to products of decomposition.
Addition Information:	Avoid contact with strong acids. Incompatibility: Avoid oxidizing materials, acids and peroxides. Above 500°C lead fumes may be generated.
Large Spills/Leaks:	In molten state allow spill to solidify and cool. Break up and use as scrap.
Fire/Explosion Hazard:	In molten state allow spill to solidify and cool. Break up and use as scrap. Seek advise of supplier. If necessary dam the spill area to prevent entry of molten metal to drains. Scrap solder by-products can be recycled by returning to supplier.
Extinguishing Media:	Dry Chemical Powder or Carbon Dioxide

### CONTACT POINT

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