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## MATERIAL SAFETY DATA SHEET EZI-WELD 303

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: EZI-WELD 303

Other Names:

Use: Flux for Braze Welding and Brazing of Copper and Steel  
Flux for Braze Welding on Cast Iron  
Flux for Fusion Welding of Copper, Brass and Bronze

Contact Details: W.I.S. Sales  
Lot 10 Gantry Place  
Braemar NSW 2575  
Tel 02 4872 1967 Fax 02 4872 1968  
After Hours Tel 02 4868 1973  
Poisons Information Centre Tel 131 126

### 2. HAZARDS IDENTIFICATION

#### Statement of Hazardous Nature

This product is a mixture. Some of its ingredients make it Hazardous according to criteria of Worksafe Australia.

Not classified as a Dangerous Goods as per the Australian Code for the Transportation of Dangerous Goods by Road and Rail (ADG Code)

Harmful

<b>Risk Phrases</b>	R22	Harmful if swallowed
	R38	Irritating to skin
<b>Safety Phrases</b>	S22	Do not breathe dust.
	S25	Avoid contact with eyes
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Entity	CAS Number	Proportion
Boric Acid	10043-35-3	> 60%
Borates, tetra sodium salts (anhydrous, decahydrate and Pentahydrate)	1303-96-4	10 - < 30%

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**EZI-WELD 303****4. FIRST AID MEASURES****First Aid**

- Ingestion:** Rinse mouth with water. Give plenty of water to drink. Seek immediate medical assistance and contact the nearest Poisons Information Centre.
- Eye:** Wash with copious quantities of water for 15 minutes.  
As a precaution seek medical advice.
- Skin:** Wash with plenty of water. Remove contaminated clothing and wash before reusing. If irritation occurs seek medical attention.
- Inhaled:** Remove victim from area of exposure. For all except minor effects, seek medical attention.

**Advice to Doctor**

Treat symptomatically and as for exposure to boron compounds.

**5. FIRE FIGHTING MEASURES****Extinguishing Media**

Product is non flammable and non combustible.

In case of fire use extinguishing media appropriate to surrounding fire.

**Hazards from Combustion Products**

Not considered a significant fire risk. May emit Poisonous Fumes.

**Precautions for Fire Fighters and Special Protective Equipment**

Fire fighters should wear self contained breathing apparatus and suitable protective clothing.

Hazchem Code: 2X

**6. ACCIDENTAL RELEASE MEASURES****Emergency Procedures**

Wear protective equipment as advised above. Avoid contact with skin and eyes. Avoid generation and inhalation of dust.

**Methods and Materials for containment and clean up**

Wear protective equipment as advised above. Sweep up, avoiding generation of dust where possible. Collect and seal in labelled drums. Dispose of according to local, state and federal statutory authorities. Do not flush away into sewers or other waterways. Once main body of material cleaned up, wash area down with copious quantities of water.

**7. HANDLING AND STORAGE**

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**EZI-WELD 303****Precautions for Safe Handling**

Overalls, goggles, gloves and dust mask are recommended. Wash contaminated equipment before reusing. Avoid generation and inhalation of dusts. Always wash hands before smoking, eating, drinking or going to the toilet.

**Conditions for Safe Storage**

Ingredients are Scheduled Poison S5. Store, maintain and use according to the relevant regulations. Not classified as Dangerous Goods as per the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code)  
Stow away from foodstuffs.  
Store in cool, dry place and keep containers closed and well labelled.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****National Exposure Standards**

No value assigned by National Occupational Health and Safety Commission (NOHSC)/Worksafe Australia for this mixture.

However exposure standards as given by NOHSC/Worksafe as follows:-

Borates, tetra, sodium  
salts (anhydrous): TWA 1.0mg/m<sup>3</sup>

**Biological Limit Values**

No Data Available

**Engineering Controls**

Ensure ventilation is adequate so as to maintain concentration levels below exposure standards. Avoid generation and inhalation of dusts. Avoid breathing fumes given off during brazing operations.

**Personal Protective Equipment**

Overalls, goggles, gloves and dust mask are recommended.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

- |                       |                                |
|-----------------------|--------------------------------|
| (a) Appearance:       | Pale pink fine granular powder |
| (b) Odour:            | None                           |
| (c) pH                | N/A                            |
| (d) Vapour Pressure:  | N/A                            |
| (e) Vapour Density:   | N/A                            |
| (f) Boiling Point:    | N/A                            |
| (g) Melting Point:    | approx. 635 - 645 deg C        |
| (h) Solubility:       | Partially soluble in water     |
| (i) Specific Gravity: | N/A                            |

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**EZI-WELD 303**

Bulk Density: approx. 0.93 g/cc  
(j) Flammable Information: Not Applicable

**10. STABILITY AND REACTIVITY****Chemical Stability**

Product is stable under normal conditions of use, storage and temperature.

**Conditions to Avoid**

No data available.

**Incompatible Materials**

Not combustible. May react with strong reducing agents such as metal hydrides or alkali metals to generate hydrogen gas.

**Hazardous Decomposition Products**

No data available

**Hazardous Reactions**

No data available. Mixtures ingredients will not undergo polymerisation.

**11. TOXICOLOGICAL INFORMATION**

Although no adverse effects are expected during normal responsible industrial use of the product, care should be exercised in handling and use.

The ingredients are Scheduled Poison S5. It should be stored, maintained and used in accordance with the relevant regulations. Poison Information Centres in each State Capital can provide additional assistance for scheduled poisons.

Work to TLV and use good occupational work practice.

**Health Effects:**

Acute;

Ingestion: Harmful if swallowed. Large amounts may cause nausea, vomiting and diarrhoea.  
Eye: A mild eye irritant  
Skin: May result in irritation.  
Inhaled: Inhalation of dust may result in respiratory irritation.

Chronic;

No data available.

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Avoid contaminating waterways.

**Persistence and Degradability**

No data available for this mixture.

**Mobility**

No data available for this mixture.

**13. DISPOSAL CONSIDERATIONS****Disposal Methods**

Sweep up, avoiding generation of dust where possible. Collect and seal in labelled drums. Dispose of according to local, state and federal statutory authorities. Do not flush away into sewers or other waterways. Once main body of material cleaned up, wash area down with copious quantities of water.

**Special Precautions for Landfill or Incineration**

No data available. Contact the local waste authority for advice.

**14. TRANSPORT INFORMATION**

UN Number: none allocated  
UN Proper Shipping Name: none allocated  
Class: none allocated  
Packaging Group: none allocated  
Special Precautions for User:  
Hazchem Code: 2X  
EPG: none allocated  
Poisons Schedule: S5

**15. REGULATORY INFORMATION**

Poison Schedule: S5

Hazard Category: Harmful



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**MATERIAL SAFETY DATA SHEET  
EZI-WELD 303****16. OTHER INFORMATION**

Last Revision

March 2006

**EMERGENCY CONTACT**National Poisons Centres **131 126**

W.I.S. SALES after hours number 02 4868 1973

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**END OF MATERIAL SAFETY DATA SHEET**