

+61 2 48721968

**W.I.S. SALES**

A UNIT OF OSVEARS PTY LTD ABN 49 003 772 576

10 GANTRY PLACE, BRAEMAR NSW 2575. AUSTRALIA

TELEPHONE: (02) 4872 1967

FACSIMILE: (02) 4872 1968

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## MATERIAL SAFETY DATA SHEET EZI-WELD 801

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: EZI-WELD 801  
 Other Names:  
 Use: A flux for the soldering of most metals except aluminium, magnesium and die cast.  
 Contact Details: W.I.S. Sales:-  
 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

Please ensure that this MSDS is received by the appropriate person.

#### Statement of Hazardous Nature

This product is a mixture. Some of its ingredients make it a Hazardous Substance according to criteria of Australian Safety and Compensation Council (ASCC). Classified as Dangerous Goods according to criteria of the Australian Dangerous Goods Code.

Corrosive

<b>Risk Phrases</b>	R22	Harmful if swallowed
	R36/37/38	Irritating to eyes, respiratory system and skin
	R34	Causes burns
	R50/53	Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment
<b>Safety Phrases</b>	S1/2	Keep locked up and out of reach of children
	S7/8	Keep container tightly closed and dry
	S36/37/39	Wear suitable protective clothing, gloves, and eye/face protection
	S9	Keep container in well ventilated place
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
	S28	After contact with skin wash with plenty of water
	S45	In case of accident or if you feel unwell, seek medical advice immediately (show label where possible)
S62	If swallowed do not induce vomiting; seek medical advice immediately and show this container or label	

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### EZI-WELD 801

#### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Entity	CAS Number	Proportion
Zinc Chloride	7646-85-7	10 - <30%
Hydrochloric Acid	7647-01-0	10 - <30%
Ammonium Chloride	12125-02-9	<10%

Balance are other non Designated Hazardous additives

#### 4. FIRST AID MEASURES

##### First Aid

- Ingestion:** Rinse mouth with water. Give plenty of water to drink. Do NOT induce vomiting. Seek medical attention/advice.
- Eye:** Wash immediately with copious quantities of water for 15 minutes. Immediately seek medical attention/advice.
- Skin:** Wash with plenty of soap and water. Remove contaminated clothing and wash before reusing. If irritation occurs seek medical attention/advice.
- Inhalation:** Remove victim from area of exposure. For all except minor effects, seek medical attention/advice.

##### Advice to Doctor

Treat symptomatically and contact Poisons Information Centre.

#### 5. FIRE FIGHTING MEASURES

##### Extinguishing Media

Product is a non flammable and non combustible liquid.

In case of fire, appropriate extinguishing media include foam, carbon dioxide and dry chemical powder.

##### Hazards from Combustion Products

Non combustible liquid. If in fire could emit toxic fumes including zinc oxide and hydrogen chloride.

##### Precautions for Fire Fighters and special protective equipment

Fire fighters should wear a self contained breathing apparatus and full protective clothing along with equipment.

Hazchem Code: 2X

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**MATERIAL SAFETY DATA SHEET  
EZI-WELD 801****6. ACCIDENTAL RELEASE MEASURES****Emergency Procedures**

Wear protective equipment as advised above. Avoid walking through spilled product. Do NOT let product reach drains or waterways. If the product does enter a drain or waterway, advise the Environmental Protection Authority or your Local Waste Management Authority.

**Methods and materials for containment and clean up.**

Contain major spillage and pump into non metallic containers. Minor spillage, absorb with sand, earth or other absorbent material. Dispose of according to local, state and federal statutory authorities.

**7. HANDLING AND STORAGE****Precautions for Safe Handling**

Ensure an eye bath and safety shower are available and ready for use.

**Conditions for Safe Storage**

Stow away from foodstuffs.

Store in cool well ventilated place and keep containers closed when not in use. Containers should be well labelled.

**8. Exposure Controls/Personal Protection****National Exposure Standards**

No value assigned by Australian Safety and Compensation Council, (ASCC).

However; For Hydrogen Chloride TWA: 5ppm, 7.5mg/m<sup>3</sup> Peak Limitation (ASCC)

For Zinc Chloride (fume) TWA: 1 mg/m<sup>3</sup> (ASCC).

STEL: 2 mg/m<sup>3</sup> (ASCC).

For Ammonium Chloride (fume) TWA: 10mg/m<sup>3</sup> (ASCC)

STEL: 20mg/m<sup>3</sup> (ASCC)

**Biological Limit Values**

No Data Available

**Engineering Controls**

Ensure ventilation is adequate so as to maintain air concentration below exposure standards. If using exhaust ventilation a local unit is preferable to a general unit. Avoid breathing fumes given off during soldering operations. When product not being used, seal containers.

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**MATERIAL SAFETY DATA SHEET  
EZI-WELD 801****Personal Protective Equipment**

Overalls, goggles, and PVC gloves. Avoid breathing vapours. Where ventilation is not adequate, respiratory protection may be required. Wash contaminated equipment before reusing. Always wash hands before smoking, eating, drinking or going to the toilet.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

(a) Appearance:	Clear to pale straw liquid
(b) Odour:	Slight characteristic odour
(c) pH	Not available
(d) Vapour Pressure	Not available
(e) Vapour Density	Not available
(f) Boiling Point:	Not available
(g) Freezing Point	Not available
(h) Solubility	Soluble in water
(i) Specific Gravity:	1.24
(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**

Avoid contact with aluminium, magnesium and diecast metals. Store in plastic containers, avoid metal containers.

**Hazardous Decomposition Products**

No data available

**Hazardous Reactions**

No data available

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**MATERIAL SAFETY DATA SHEET  
EZI-WELD 801****11. TOXICOLOGICAL INFORMATION**

Since a mixture no specific data available. Following information applicable to ingredients.  
Harmful by ingestion. Corrosive to skin and eyes. Avoid skin and eye contact. Generates fumes when heated. Use adequate ventilation. Work to TLV and use good occupational work practice.

**Toxicity**

No data available for mixture.

acute oral LD50 (rat): Zinc Chloride 350mg/kg  
Hydrochloric Acid >900mg/kg  
Ammonium Chloride 1650 mg/kg

**Health effects:**

Acute;

Swallowed: Corrosive, may burn mouth, gullet and stomach.  
Eye: Corrosive may cause severe damage.  
Skin: Corrosive may cause burns.  
Inhaled: May cause irritation and burns of the respiratory tract. Symptoms may include sore throat, coughing, shortness of breath, nausea and lung damage.

Chronic;

No data available

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

No data available for mixture.

Zinc Chloride: Mysid shrimp LC50 (96h) = 0.880mg/l. Very toxic to aquatic life.

Hydrochloric Acid Shore crab LC50 (48h) = 240mg/l.

Ammonium Chloride Prosopium williamsoni LC50 (96h) = 46.27mg/l

**Persistence and Degradability**

No data available for this mixture

**Mobility**

No data available for this product.

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

Dispose of in accordance with local, state and federal regulations.

**Special Precautions for Landfill or Incineration**

Contact a specialist disposal company or the local waste regulator for advice.

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**MATERIAL SAFETY DATA SHEET  
EZI-WELD 801****14. TRANSPORT INFORMATION**UN Number: 1760  
UN Proper Shipping Name: Corrosive Liquid, N.O.S. (contains Zinc Chloride)Class: 8  
Packaging Group: II  
Special Precautions for User Corrosive  
Hazchem Code: 2X  
EPG: 37 Toxic and/or corrosive substances. Non-combustible.  
Poisons Schedule: S6**15. REGULATORY INFORMATION**Poison Schedule S6  
Hazard Category Corrosive**16. OTHER INFORMATION****EMERGENCY CONTACT**

National Poisons Centres

**131 126**

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

NOTE: While we believe all information presented herein is accurate and reliable, the data is not to be taken as a guarantee or representation of any kind for which W.I.S. Sales assumes legal responsibility. They are offered solely for your consideration, investigation and verification. W.I.S. Sales disclaims any liability for loss, injury or damage incurred in connection with the use of this material or its associated Material Safety Data Sheet.

END OF MATERIAL SAFETY DATA SHEET

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