

Section 1. Identification of the material and the supplier

Product: Copper Weld Through Aerosol Primer
Product Code: WELDC/AL
Product Use: PC9a: Coatings and paints, thinners, paint removers.
PC14: Metal surface treatment products, including galvanic and electroplating products.

New Zealand Supplier: U-POL NZ Ltd
c/o Lindsay & Associates
Address: Unit H, 12 Amara Place
East Tamaki, Auckland

Telephone: 027 630 3691
Email: technical.department@u-pol.com

**Emergency Telephone: +64 980 10034
0800 764 766 (National Poison Centre)**

Australian Supplier: U-POL Australia PTY Ltd. Unit A
16 - 20 Cassola Place
Address: Penrith
NSW 2750
Australia

Telephone: 02 4731 2655
Email: technical.department@u-pol.com

Emergency Telephone: +61 290 372 994

Section 2. Hazards Identification

Australia NOHSC – Hazardous according to Safe Work Australia NOHSC 2011 National Code of Practice

New Zealand - This substance is hazardous according to the *HSNO (Minimum Degrees of Hazard) Regulations 2001*

Group Standard & EPA Approval Code: Aerosols (Flammable, Toxic)- HSR002517

Pictograms



Flammable Irritant Chronic Ecotoxic

Signal Word: Danger

HSNO Class. Hazard Code Hazard Statement GHS Category

2.1.2A	H223	Flammable aerosol.	Category 2
6.1D	H332	Harmful if inhaled.	Category 4
6.1E	H303	May be harmful if swallowed.	Category 5
6.3B	H316	Causes mild skin irritation.	Category 3
6.6A	H340	May cause genetic defects.	Category 1A
6.7B	H351	Suspected of causing cancer.	Category 2
6.8B	H361	Suspected of damaging fertility or the unborn child .	Category 2
6.9B	H373	May cause damage to organs through prolonged or repeated exposure.	Category 2
9.1B	H411	Toxic to aquatic life with long lasting effects.	Category 2
9.3B	H432	Toxic to terrestrial vertebrates.	

Prevention Code Prevention Statement

P102	Keep out of reach of children.
P103	Read label before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat, sparks, open flames or hot surfaces. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Pressurized container: Do not pierce or burn, even after use.
P260	Do not breathe fumes or vapours.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.

Response Code Response Statement

P101	If medical advice is needed, have product container or label at hand.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P331	Do NOT induce vomiting.
P391	Collect spillage.
P304 + P340	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P308 + P313	IF exposed or concerned: Get medical advice/ attention.
P332 + P313	If skin irritation occurs: Get medical advice/ attention.

Storage Code Storage Statement

P405	Store locked up.
P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

Disposal Code**Disposal Statement**

P501	Dispose of according to Local Regulations or Authorities
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Section 3. Composition / Information on Ingredients

Ingredients	Wt%	CAS NUMBER.
Propan-2-one	20-40	67-64-1
Propellant DME	30-50	115-10-6
Butan-1-ol	1-10	71-36-3
1,1 Di Methyl Ethyl Acetate	1-10	540-88-5
1-Methoxy-2-Propanol	1-10	107-98-2
Copper	1-5	7440-50-8
Trizinc bis	1-5	7779-90-0
Xylene	<1	1330-20-7
Ethyl benzene	<1	100-41-4
Isobutanol	<1	78-83-1
2-Methoxy-Propanol	<1	1589-47-5
Phenol	<0.1	108-95-2
2 Butanone Oxime	<0.1	96-29-7
Toluene	<0.01	108-88-3

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes	Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice.
If on Skin	Wash with plenty of soap and water. Take off contaminated clothing and wash before re-use. If a skin irritation occurs seek medical assistance.
If Swallowed	IF SWALLOWED: Do NOT induce vomiting. Consult a doctor.
If Inhaled	Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Get medical advice if breathing becomes difficult.

Section 5. Fire Fighting Measures

Hazard Type	Flammable Aerosol
Hazards from decomposition products	In combustion emits toxic fumes. Forms explosive air-vapour mixture. Vapour may travel considerable distance to source of ignition and flash back.
Suitable Extinguishing media	Alcohol resistant foam. Water spray. Carbon dioxide. Dry chemical powder. Use water spray to cool containers.
Precautions for firefighters and special protective clothing	Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

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HAZCHEM CODE**2YE****Section 6. Accidental Release Measures**

Refer to section 8 of SDS for personal protection details. Eliminate all sources of ignition. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid. Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Do not use equipment in clean-up procedure which may produce sparks. Do not discharge into drains or rivers. Contain the spillage using bunding.

Section 7. Handling and Storage**Handling**

- Keep out of reach of children.
- Read label before use.
- Do not handle until all safety precautions have been read and understood.
- Keep away from heat, sparks, open flames or hot surfaces. No smoking.
- Do not spray on an open flame or other ignition source.
- Pressurized container: Do not pierce or burn, even after use.
- Do not breathe fumes or vapours.
- Use only outdoors or in a well-ventilated area.
- Avoid release to the environment.
- Use personal protective equipment as required.

Storage

- Store locked up.
- Store in a well-ventilated place. Keep cool.
- Keep container tightly closed.
- Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

Section 8 Exposure Controls / Personal Protection**WORKPLACE EXPOSURE STANDARDS (provided for guidance only)**

Substance	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³
Propan-2-one	500	1185	1000	2375
Propellant DME	400	766	500	958
Ethyl Benzene	100	434	125	543
Xylene	50	217	-	-
Phenol	5	19	-	-
Isobutanol	50	152	-	-

Workplace Exposure Standard – Time Weighted Average (WES-TWA). *The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure.* Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). *The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply.*

Engineering

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Controls Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

Personal Protection

Eyes: Avoid contact with eyes.

Skin: Use impermeable protective gloves. Gloves should be checked for tears or holes before use.

Respiratory: Respiratory protective device with particle filter.

Section 9 Physical and Chemical Properties

Appearance	Copper Aerosol
Odour	Aromatic
Solubility in Water	Insoluble in water and soluble in most organic solvents
Relative Density	0.8
VOC g/l	713
Viscosity	Non-viscous

Section 10. Stability and Reactivity

Stability of Substance Stable under recommended transport or storage conditions

Conditions to Avoid Heat. Hot surfaces. Sources of ignition. Flames.

Incompatible Materials Strong oxidising agents. Strong acids.

Hazardous Decomposition Products In combustion emits toxic fumes.

Section 11 Toxicological Information

Acute Toxicity:

Mixture calculations for this product	Oral	= 4739mg/kg	= Hazardous
	Inhalation	= 2.95 mg/L	= Hazardous
	Dermal	= 28590mg/kg	= Non Hazardous

Skin The mixture is considered to be a skin irritant

Chronic

Carcinogenicity Suspected of causing cancer.
Reproductive Suspected of damaging fertility or the unborn child.
May cause genetic defects.

Systemic May cause damage to organs through prolonged or repeated exposure

Section 12. Ecotoxicological Information

HSNO Classes: 9.1B =Toxic to aquatic life with long lasting effects.

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9.3B =Toxic to terrestrial vertebrates.

Do not allow to enter waterways.

Acetone

Bluegill (*Lepomis macrochirus*) LC₅₀ 8300 mg/l

Tert-Butyl Acetate

Fish 96H LC₅₀ 296-302 mg/l

Butan-1-Ol

Fish 96H LC₅₀ 1730 mg/l

Section 13. Disposal Considerations

Do not puncture. Dispose of according to Local Regulations.
Ensure product does not enter streams, stormdrains, or water ways

Section 14 Transport Information

Classified as a Dangerous Good for transport in Australia; ADG 7
Classified as a Dangerous Good for transport in NZ ; NZS 5433:2012

Road and Rail Transport

UN No: 1950
Class-primary 2
Packing Group None allocated
Proper Shipping Name: AEROSOLS

Air Transport

UN No: 1950
Class-primary 2
Packing Group None allocated
Proper Shipping Name: AEROSOLS

Marine Transport

UN No: 1950
Class-primary 2
Packing Group None allocated
Proper Shipping Name: AEROSOLS

Section 15 Regulatory Information

Australia:

Australia NOHSC – Hazardous according to Safe Work Australia NOHSC 2011 National Code of Practice

NOHSC Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)].

Poison Schedule No: S5

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New Zealand:

EPA Approval Code: Aerosols (Flammable, Toxic) - HSR002517

HSNO Classification: 2.1.2A, 6.1D(inh), 6.1E(oral), 6.3B, 6.6A, 6.7B, 6.8B, 6.9B, 9.1B, 9.3B

HSNO Controls:

Trigger quantities for this substance:

	Trigger Quantity
Approved Handler	3000L (AWC) (2.1.2A)
Location Certificate	3000L (AWC) (2.1.2A)
Tracking Trigger Quantities	Not applicable
Signage Trigger Quantities	1000L (9.1B)
Emergency Response Plan trigger Quantities	1000L (9.1B)

Section 16 Other Information

1. HSNO Approved Code of Practice: Preparation of Safety Data Sheets, September 2006.
2. PREPARATION OF SAFETY DATA SHEETS FOR HAZARDOUS CHEMICALS Code of Practice, December 2011, Safe Work Australia.

Disclaimer

This document has been issued by TCC (NZ) Ltd and serves as their Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided to TCC (NZ) Ltd or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer. While TCC (NZ) Ltd have taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, TCC (NZ) Ltd accept no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS

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Please contact the New Zealand distributor, U-Pol NZ Ltd, if further information is required.

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