SAFETY DATA SHEET

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Revision No: 1

Section 1. Identification of the material and the supplier

Product:	Acid #8 Etch Primer Aerosol
Product Code:	Acid/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 Amera 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 Corrosive Ecotoxic

Signal Word: Danger

HSNO Class.	Hazard Code	Hazard Statement	GHS Category
2.1.2A	H223	Flammable aerosol.	Category 2
6.1E	H303	May be harmful if swallowed.	Category 5
6.1E	H305	May be harmful if swallowed and enters airways.	Category 2
6.3A	H315	Causes skin irritation.	Category 2
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
8.3A	H318	Causes serious eye damage.	Category 1
9.1A	H400	Very toxic to aquatic life	Category 1

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, gas or vapours.
P264	Wash hands thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective gloves and protective clothing.

Response Code	Response Statement
P101	If medical advice is needed, have product container or label at hand.
P310	Immediately call a POISON CENTER or doctor/physician.
P314	Get medical advice/attention if you feel unwell.
P331	Do NOT induce vomiting.
P362	Take off contaminated clothing and wash before re-use.
P391	Collect spillage.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P305 + P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
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

Section 3. Composition / Information on Ingredients

Ingredients	Wt%	CAS NUMBER.
Propellant DME	30-50	115-10-6
Xylene	10-20	1330-20-7
Ethyl benzene	1-10	100-41-4
Butan-1-ol	1-10	71-36-3
Titanium Dioxide	1-10	13463-67-7
1-Methoxy-2-Propanol	1-10	107-98-2
Isobutanol	1-5	78-83-1
Trizinc bis	1-5	7779-90-0
Q Pos in	1-5	Proprietary
2-Methoxy-Propanol	<1	1589-47-5
Phenol	<0.1	108-95-2
Carbon Black	<0.1	1333-86-4
Toluene	<0.01	108-88-3

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes — Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. 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 or polymer foam. Carbon dioxide. Dry chemical powder. Use water spray to cool containers
Precautions for	Wear self-contained breathing apparatus. Wear protective clothing to

firefighters and special protective clothing	prevent contact with skin and eyes.
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.
- 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)

	TWA		STEL	
Substance	**ppm**	**mg/m^3**	**ppm**	**mg/m^3**
Propellant DME	400	766	500	958
Isobutanol	50	152	-	-
Ethyl Benzene	100	434	125	543
Xylene	50	217	-	-
Phenol	5	19	-	-
Toluene	50	188	-	-
Carbon Black	-	3	-	-

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 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	Grey Aerosol
Odour	Aromatic
Solubility in Water	Insoluble in water and soluble in most organic solvents
Flash Point	-40^0C
Relative Density	0.83
VOC g/l	690
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**	**= 4684mg/kg**	**= Hazardous**
	Inhalation	**= 28.80 mg/L**	**= Non Hazardous**
	Dermal	**= 6818mg/kg**	**= Non Hazardous**

Skin The mixture is considered to be a skin irritant
Eye This mixture is considered to cause serious damage to the eyes.
Chronic

Carcinogenicity Suspected of causing cancer.
Reproductive Suspected of damaging fertility or the unborn child.
Systemic May cause damage to organs through prolonged or repeated exposure

Section 12. Ecotoxicological Information

HSNO Classes: 9.1A = Very toxic to aquatic life.

Do not allow to enter waterways.

Butan-1-Ol

Fish	96H	LC_{50}	1730 mg/l

Section 13. Disposal Considerations

Do not puncture. Dispose of according to Local Regulations.
Do not allow product to enter streams, stormdrains, or waterways

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

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

HSNO Classification: 2.1.2A, 6.1E(oral)(asp), 6.3B, 6.7B, 6.8B, 6.9B, 8.3A, 9.1A

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	100L (9.1A)
Emergency Response Plan trigger Quantities	100L (9.1A)

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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