

Section 1. Identification of the material and the supplier

Product: Grip # 4 Aerosol
Product Code: GRIP/AL
Product Use: Surface grip coating
Restriction of Use: See Section 15

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
Address: 16 - 20 Cassola Place
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)- HSR002515

Pictograms



Flammable



Toxic/ Irritant



Chronic

Signal Word: Danger

HSNO Class.	Hazard Code	Hazard Statement	GHS Category
2.1.2A	H223	Flammable aerosol.	Category 2
6.1D oral	H302	Harmful if swallowed.	Category 4
6.3A	H315	Causes skin irritation.	Category 2
6.4A	H319	Causes serious eye irritation.	Category 2A
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
9.1D	H413	Harmful to aquatic life.	Category 4
9.3C	H433	Harmful 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, vapours or spray.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P273	Avoid release to the environment.
P280/1	Wear protective clothing and equipment

Response Code Response Statement

P101	If medical advice is needed, have product container or label at hand.
P314	Get medical advice/attention if you feel unwell.
P330	Rinse mouth.
P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
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.
P308 + P313	IF exposed or concerned: Get medical advice/ attention.
P332 + P313	If skin irritation occurs: Get medical advice/ attention.
P337 + P313	If eye irritation persists: 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

Product Name: GRIP/AL
Date of SDS: 9 July 2015

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Tel: +64 9 475 5240

Ingredients	Cas Number	% Weight
toluene	108-88-3	43-63
dimethyl ether	115-10-6	23-43
Acetone	67-64-1	5-23
xylene	1330-20-7	< 5
ethylbenzene	100-41-4	< 5
Organic titanium compounds	Proprietary	< 5

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. If a skin irritation occurs seek medical assistance.
If Swallowed	Rinse mouth. Never give anything by mouth to an unconscious person. Seek medical advice if you feel unwell.
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	Fumes. Carbon monoxide. Carbon dioxide.
Suitable Extinguishing media	Foam. Dry powder. Carbon dioxide. Water spray. Sand. Do not use a heavy water stream.
Precautions for firefighters and special protective clothing	Do not enter fire area without proper protective equipment, including respiratory protection. Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
HAZCHEM CODE	2YE

Section 6. Accidental Release Measures

Refer to section 8 of SDS for personal protection details. Eliminate all sources of ignition. 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.

Section 7. Handling and Storage

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Handling

- 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.
- Wash hands after handling.
- Avoid release to the environment.
- Use only outdoors or in a well-ventilated area.
- Use personal protective equipment as required.

Storage

- Store locked up and away from children.
- Store in original container, in a well-ventilated place. Keep cool.
- Keep container tightly closed.
- Protect from sunlight. Storage temperature <25 °C.
- Store away from incompatible materials such as strong bases and strong acids.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³
LPG (Liquefied petroleum gas)	1,000	1,800	-	-
Acetone	500	1,185	1,000	2,375
Toluene (skin)	50	188	-	-
Xylene	50	217	-	-

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: Chemical goggles or safety glasses.

Skin: Wear suitable protective clothing and gloves.

Respiratory: Where exposure through inhalation may occur from use, respiratory protection equipment is recommended.

Section 9 Physical and Chemical Properties

Appearance	Cloudy Aerosol
Odour	Characteristic

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Odour Threshold	Not applicable
pH	Not applicable
Boiling Point	Not applicable
Melting Point	Not applicable
Freezing Point	Not applicable
Flash Point	Not applicable
Flammability	Not applicable
Upper and Lower Exposure Limits	Not applicable
VOC content	772 g/l
Vapour Density	Not applicable
Relative Density	Not applicable
Solubilities	Not applicable
Partition Coefficient:	Not applicable
Auto-ignition Temperature	Not applicable
Decomposition Temperature	Not applicable
Kinematic Viscosity	Not applicable
Particle Characteristics	Not applicable
MIR	2.5

Section 10. Stability and Reactivity

Stability of Substance	This product is stable under normal conditions.
Conditions to Avoid	Direct sunlight. Extremely high or low temperatures.
Incompatible Materials	Strong acids. Strong bases
Hazardous Decomposition Products	Fume. Carbon monoxide. Carbon dioxide.

Section 11 Toxicological Information

Acute Toxicity:

Mixture calculations for this product	Oral	= 1295mg/kg	= Hazardous
	Inhalation	= 62.70mg/L	= Non Hazardous
	Dermal	= 41635mg/L	= Non Hazardous

Acute Effects:

Swallowed	Harmful if swallowed.
Dermal	Not applicable.
Inhalation	Not applicable.
Eye	Causes severe irritation to eyes.
Skin	Causes skin irritation.

Chronic Effects:

Carcinogenicity	Not applicable.
Reproductive Toxicity	May damage fertility or the unborn child.
Germ Cell Mutagenicity	Not applicable.
Aspiration	Not applicable.
STOT/SE	Not applicable.

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STOT/RE	Causes damage to organs through prolonged or repeated exposure.
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Section 12. Ecotoxicological Information

HSNO Classes : 9.1D = Harmful to aquatic life.
9.3C = Harmful to terrestrial vertebrates.

Persistence and degradability	No data available
Bioaccumulation	No data available
Mobility in Soil	No data available
Other adverse effects	No data available

Avoid release to the environment and waterways.

Section 13. Disposal Considerations

Do not puncture. Dispose of according to Local Regulations.
Do not allow product to enter sewers, storm drains, 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

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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, 6.1D(oral), 6.3A, 6.4A, 6.8B, 6.9B, 9.1D, 9.3C

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	10000L (6.1D)
Emergency Response Plan trigger Quantities	1000L(6.1D)
Restriction of Use	None

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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