



PROPSPEED ETCHING PRIMER BASE

Safety Data Sheet

Section 1 - Identification of the Material and the Supplier

1.1 Product identifier

Product name	Propspeed Etching Primer Base
Product code	Component in Propspeed kits: PSLKIT, PSMKIT, PSSKIT, PSCKIT, 782A(1L), RPS500 (500ml), RPS200 (200mL), and Etching Hardener kit (782BC), EPKIT.

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses	Metal Primer Base (Part A)
Restrictions of use	Refer to Section 15

1.3 Details of the supplier of the Safety Data Sheet

Supplier	Propspeed International Ltd PO Box 83232 Edmonton Auckland New Zealand www.propspeed.com
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Telephone	+64 9 524 1470
Telefax	+64 9 813 5246

E-mail (competent person) info@propspeed.com

1.4 Emergency telephone number

Emergency number	New Zealand	0800 243 622
(24h/24 – 365 d/year)	Australian	1800 127 406
	Global Access	+ 64 4 917 988

NZ National Poisons Centre Telephone +64 4 917 9888 (ChemCall)

Section 2 - Hazards identification

Hazardous Status: This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2017

EPA Approval Code: Surface Coatings and Colourants (Flammable, Corrosive, Toxic [6.7]) – HSR002664

GHS pictograms:



GHS Signal word: **Danger**

HSNO Classification	Hazard Code	Hazard Statement	GHS Category
3.1B	H225	Highly flammable liquid and vapour.	Flam. Liq. 2
6.1E (oral)	H303	May be harmful if swallowed.	Acute Tox. 5
6.4A	H319	Causes serious eye irritation.	Eye Irrit. 2A
6.5B	H317	May cause an allergic skin reaction.	Skin Sens. 1
6.6A	H340	May cause genetic defects.	Muta. 1A
6.7A	H350	May cause cancer.	Carc. 1A
6.8B	H361	Suspected of damaging fertility or the unborn child.	Repr. 2
6.9B	H373	May cause damage to organs through prolonged or repeated exposure.	STOT RE 2
8.2C	H314	Causes severe skin burns and eye damage.	Skin Corr. 1C
9.1B	H411	Toxic to aquatic life with long lasting effects.	Aquatic Chronic 2

Prevention Code	Prevention Statement
P102	Keep out of reach of children.
P103	Read label before use.
P201	Obtain special instructions 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.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.

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P241	Use explosion-proof electrical, ventilation and lighting.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe fumes, vapours and spray.
P264	Wash hands thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective clothing in Section 8.
P281	Use personal protective equipment as required.

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.
P363	Wash contaminated clothing before reuse.
P391	Collect spillage.
P301 + P330 + P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P303 + P361 + P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
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.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P370 + P378	In case of fire: Use AFFF alcohol compatible foam or water spray for extinction.

Storage Code	Storage Statement
P405	Store locked up.
P403 + P235	Store in a well-ventilated place. Keep cool.

Disposal Code	Disposal Statement
P501	Dispose of according to local regulations

Section 3 - Composition/information on ingredients**Hazard Component**

Ingredient name	CAS No.	Content Weight%
Propan-2-ol	30-60	67-63-0
2-Methylpropan-1-ol	10-30	78-83-1
Zinc chromate	5-10	13530-65-9
Xylene	5-10	1330-20-7
Talc	1-5	14807-96-6
Non-hazardous ingredients	To balance	

Section 4 - First aid measures

Burns	Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital.
If in Eyes	Immediately flush with plenty of water. Remove any contact lenses and open eyes wide apart. Call an ambulance and continue flushing during transportation to hospital. Bring these instructions.
If on Skin	Remove contaminated clothing immediately and wash skin with soap and water. Important to remove the substance from the skin immediately. Continue to rinse for at least 15 minutes and seek medical attention.
If Swallowed	Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician immediately.
If Inhaled	Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if needed.

Most important symptoms and effects, both acute and delayedSymptoms

Ingestion:	May be harmful if swallowed.
Inhalation:	Not applicable
Skin:	Causes severe skin burns and eye damage. May cause an allergic skin reaction.
Eye:	Causes serious eye irritation.
Chronic:	May cause genetic defects. May cause cancer. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure.

Section 5 – Firefighting measures

Hazard Type	Flammable liquid
Hazards from decomposition products	None in particular
Suitable Extinguishing media	Extinguish with carbon dioxide or dry powder.
Precautions for firefighters and special protective clothing	Selection of respiratory protection for fire- fighting: follow the general fire precautions indicated in the workplace.
HAZCHEM CODE	3YE

Section 6 - Accidental release measures

Avoid any exposure. Do not smoke, use open fire or other sources of ignition. For personal protection, see section 8. Follow precautions for safe handling described in this safety data sheet.

Absorb spillage with non-combustible, absorbent material. Do not use sawdust or other combustible material. Collect spillage in metal/plastic container with tight-fitting lid, with indication of the contents.

Section 7 - Handling and storage

Precautions for safe handling:

- Keep out of reach of children.
- Read label before use.
- Read safety data sheet before use.
- Do not handle until all safety precautions have been read and understood.
- Keep away from heat, sparks, open flames and hot surfaces. No smoking.
- Keep container tightly closed.
- Use only non-sparking tools.
- Use explosion proof electrical equipment, ventilation and lighting
- Take precautionary measures against static discharge.
- Avoid breathing fumes and vapours or sprays.
- Wash hands thoroughly after handling.
- Contaminated work clothing should not be allowed out of the workplace.
- Avoid release to the environment.
- Wear protective clothing and protective equipment.

Conditions for safe storage:

- Store in a flameproof, well-ventilated area.
- Electrostatic charges may be generated during transfer of product from its container.
- Ensure that all equipment is electrically earthed.
- Keep container closed and store away from water or moisture.
- Vapours may form explosive mixtures with air.
- Do not store with oxidizing agents.
- Store locked up.

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-ol	400	983	500	1250
2-Methylpropan-1-ol	50	152		
Xylene, o-, m-, p-or mixed Isomers	50	217		
Talc, respirable dust		2		
Zinc chromates, as Cr 6.7A [13530-65-9]		0.01		

NZ Workplace Exposure Standard and Biological Exposure Indices - Nov 2017. 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:

Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours. An eye wash bottle must be available at the work site. Mix and prepare in a place with efficient exhaust ventilation.

Personal Protection Equipment



Respiratory	In case of inadequate ventilation, use air-supplied full-mask.
Hands	Wear protective gloves. Nitrile gloves are recommended, but be aware that the

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	liquid may penetrate the gloves. Frequent change is advisable. Other types of gloves can be recommended by the glove supplier.
Eyes	Tight fitting safety goggles or face shield should be used. Avoid wearing contact lenses.
Skin	Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.
Hygiene	Wash hands after handling. When using do not eat, drink or smoke. Personal protection may not be worn during meal breaks. Personal protection must be kept separate from other clothes. Do not store tobacco, food or beverage in work rooms or areas where the product is used. Contaminated clothing to be placed in closed container until disposal or decontamination. Warn cleaning personnel of chemical's hazardous properties.

Section 9 – Physical and chemical properties

Appearance	liquid paint
Colour	yellow
Odour	solvent
Odour threshold	data not available
pH	not applicable (solvent based product)
Boiling point	81 – 108°C
Melting point	data not available
Freezing point	data not available
Flash point	14°C
Flammability	data not available
Upper and lower Explosive Limits	1.1 – 12.0 vol %
Vapour pressure	4266 Pa
Relative vapour density	~ 2.1 (air=1)
Specific gravity	0.87 – 0.92 g.cm ⁻³
Water solubility	Insoluble in water, soluble in organic solvents
Partition coefficient	data not available
Auto-ignition temperature	data not available
Decomposition temperature	data not available
Viscosity	500 – 750cP
Particle Characteristics	data not available

Section 10 – Stability and reactivity

Stability of Substance	Stable under normal usage conditions. Curing time: 10 min - 1 h (20°C)
Possibility of hazardous reactions	Not Available
Conditions to Avoid	Avoid heat, flames and other sources of ignition.
Incompatible Materials	Avoid contact with alkalis. Avoid contact with oxidisers or reducing agents.
Hazardous Decomposition Products	None in particular.

Section 11 – Toxicological information

Acute Effects:

Swallowed	May be harmful if swallowed.
Dermal	May be harmful if in contact with skin.
Inhalation	Not applicable.
Eye	Causes serious eye irritation.
Skin	Causes severe skin burns and eye damage. May cause an allergic skin reaction.

Chronic Effects:

Carcinogenicity	May cause cancer.
Reproductive Toxicity	Suspected of damaging fertility or the unborn child.
Germ Cell Mutagenicity	May cause genetic defects.
Aspiration	Not applicable.
STOT/SE	Not applicable.
STOT/RE	May cause damage to organs through prolonged or repeated exposure.

Ingredient Data

Acute Oral Toxicity

Propan-2-ol	LD50(mouse)	= 3600 mg/kg
2-Methylpropan-1-ol	LD50 (rat)	= 2460 mg/kg
Xylene	LD50 (mouse)	= 1590 mg/kg

Acute Dermal Toxicity

2-Methylpropan-1-ol	LC50 (rat)	= 3400 mg/kg
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Inhalation

Xylene LC50 (mouse) = 27.6 mg/L

Special Effects:

Contains: Zinc chromate

Carcinogen Category 1. Known or suspected carcinogen for humans.

May cause sensitisation.

Section 12 – Ecotoxicological information

HSNO Classifications: 9.1B = Toxic to aquatic life with long lasting effects.
Zinc chromate: L(E)C50 > 0.1 ≤ 1 mg/l

Environmental Precautions

Persistence and Degradability The product hardens to a not readily degradable mass. This product is expected to be not readily biodegradable.

Bioaccumulation: No data available

Mobility in Soil The product hardens to a solid immobile substance. The product contains substances, which are water soluble and may spread in water systems. The product contains volatile substances, which may spread in the atmosphere.

Other adverse effects No data available

Section 13 – Disposal considerations

Disposal Method:

Spent media that has removed toxic chemicals should be examined for specific hazards. Dispose of according to Local Regulations.




Ensure any container holding waste product or contaminated spill media is labelled “Hazardous Waste – Flammable” and that the label also has the Flammable Pictogram, waste type identifier, and the business name, address, and phone number.

Precautions or methods to avoid: Avoid release to the environment.

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Section 14 – Transport information

This product is classified as a Dangerous Good for transport in NZ; NZS 5433:2012

	Road and Rail	Marine Transport (IMDG)	Air Transport (IATA)
UN number	1263	1263	1263
UN proper shipping name	PAINT	PAINT	PAINT
Transport hazard class(es)	3 	3 	3 
Packing group	II	II	II
Hazchem	3YE	3YE	3YE
Marine Pollutant		Yes	
EmS		F-E, S-E	

Limited Quantities Statement:

If the product's individual container is below 5L/kg, it can be transported as a non-DG as long as the product packaging is still labelled as per DG requirements and the driver is given safety information in accordance with Chapter 3.4 of the UNRTDG.

Section 15 – Regulatory information

This substance is classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2017

EPA Approval Code: Surface Coatings and Colourants (Flammable, Corrosive, Toxic [6.7]) – HSR002664

HSNO Classes: 3.1B, 6.1E (oral), 6.4A, 6.5B, 6.6A, 6.7A, 6.8B, 6.9B, 8.2C, 9.1B.

HSNO Controls

Trigger quantities for this substance:

HSW (HS) Regulations 2017 and EPA Notices	Trigger Quantity
Certified Handler	Not required
Location Certificate	100L(>5L), 250L (<5L), 50L open (3.1B)
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	250L(3.1B)
Emergency Response Plan	1000L(3.1B)

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Secondary Containment	1000L(3.1B)
Fire Extinguishers	At least 2 x 4.5kg powder extinguishers required when 250L is present in a workplace.
Restriction of Use	Only use for the intended purpose.

Section 16 – Other information

Glossary

EC50	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms
HSW	Health and Safety at Work.
LC50	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD50	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
STOT/SE	Specific target organ toxicity – single exposure
STOT/RE	Specific target organ toxicity – repeated exposure
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

Reference:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2017 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2012
5. HSW (Hazardous Substances) Regulations 2017

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Disclaimer

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