

Section 1 Identification of the Material and the Supplier

Product: Propspeed Etching Primer Hardener

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

Product Use: Metal Primer Hardener (Part B)

Supplier: **Propspeed USA Inc.**
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NZ National Poisons Centre Telephone: 0800 POISON (0800 764 766)

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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) – HSR002663

GHS Pictograms:



Flammable



Corrosive

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
8.2C	H314	Causes severe skin burns and eye damage.	Skin Corr. 1C
8.3A	H318	Causes serious eye damage.	Eye Corr. 1

Prevention Code	Prevention Statement
P102	Keep out of reach of children.
P103	Read label before use.
P210	Keep away from sparks, open flames and hot surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe fumes and vapours.
P264	Wash hands thoroughly after handling.
P280	Wear protective clothing.

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.
P363	Wash contaminated clothing before reuse.
P301 + P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
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.
P370 + P378	In case of fire: Use carbon dioxide or dry powder 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 Hazardous Ingredients

Ingredients	Wt (%)	CAS Number
Propan-2-ol	60-100	67-63-0
Phosphoric Acid	10-20	7664-38-2
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 delayed

Symptoms

Ingestion:	May be harmful if swallowed.
Inhalation:	Not applicable.
Skin:	Causes severe skin burns.
Eye:	Causes serious eye damage.

Section 5 Fire Fighting 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	3WE

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.
- Keep away from heat, sparks, open flames and hot surfaces. No smoking.
- Keep container tightly closed.
- Ground/bond container and receiving equipment.
- 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.
- Wear protective clothing

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

Substance	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³
Propan-2-ol	400	983	500	1250
Phosphoric Acid		1		

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 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 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
Colour	Transparent liquid (part B of two-pot system)
Odour	Solvent
Odour Threshold	Data not available
pH	Not applicable (solvent based product)
Boiling Point	81°C
Melting Point	Data not available
Freezing Point	Data not available
Flash Point	15°C
Flammability	Data not available
Upper and Lower Explosive Limits	1.1 – 12.0%
Vapour Pressure	4266 Pa
Relative Vapour Density	1.4 - 1.7 (air=1)
Specific Gravity	0.85 – 0.95 g.cm ⁻³
Water Solubility	Soluble in water
Partition Coefficient:	Data not available
Auto-ignition Temperature	Data not available
Decomposition Temperature	Data not available
Viscosity	Data not available
Particle Characteristics	Data not available

Section 10 Stability and Reactivity

Stability of Substance	Stable under normal usage conditions. Curing time: 10 – 60 min (20 °C)
Possibility of hazardous reactions	Data 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	Not applicable
Inhalation	Not applicable)
Eye	Causes serious eye damage
Skin	Causes severe skin burns

Chronic Effects:

Carcinogenicity	Not applicable
Reproductive Toxicity	Not applicable
Germ Cell Mutagenicity	Not applicable
Aspiration	Not applicable
STOT/SE	Not applicable

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)] - HSR002663

HSNO Classes: 3.1B, 6.1E(oral), 8.2C, 8.3A

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)
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

References:

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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