Etching Primer

Safety Data Sheet

Section 1 Identification of the material and the supplier

Product:	A. Propspeed Etching Primer Base B. Propspeed Etching Primer Hardener
Product Code:	782BC
Product Use:	Metal Primer
Supplier:	Oceanmax International Ltd PO Box 83 232 Edmonton Auckland 0652 New Zealand www.propspeed.com Telephone: 0800 LESS FUEL (0800 5377 3835) Fax: +64 9 813 5246
Emergency Response Telephone: (24 hours, 365 days)	New Zealand Only 0800 243 622 Australian Only 1800 127 406 Global Access +64 4 917 9888
NZ National Poisons Centre Telephone:	0800 POISON (0800 764 766)
Date of SDS Preparation:	28 September 2015

Section 2 Hazards Identification

COMPONENT A:

Hazardous Status: **Classified as hazardous according to the criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001**

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

GHS Certificate:
Highly flammable liquid, Cat 2
Skin corrosion/irritation, Cat 2
Serious eye damage/eye irritation, Cat 2A
Suspected carcinogen, Cat 2
Toxic to reproduction (unborn child), Cat 2
Specific organ toxicity, (SE) Cat 3, (RE) Cat 2
Toxic to aquatic environment, Cat 2

GHS Pictograms:

GHS Signal Word: DANGER

All chemicals present in this product are on the TSCS List

HSNO Classification	Hazard Code	Hazard Statement
3.1B	H225	Highly flammable liquid and vapour.
6.5B	H317	May cause an allergic skin reaction.
6.6A	H340	May cause genetic defects
6.7A	H350	May cause cancer
6.8B	H361	Suspected of damaging fertility or the unborn child
6.9B (repeated exposure)	H373	May cause damage to organs through prolonged or repeated exposure
8.2C	H314	Causes severe skin burns and eye damage.
8.3A	H318	Causes serious eye damage.
9.1B	H411	Toxic to aquatic life with long lasting effects.

Prevention Code	Prevention Statement
P102	Keep out of reach of children.
P103	Read label before use.
P104	Read safety data sheet 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/hot surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical, ventilating and lighting.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe mist/vapours/spray.
P264	Wash thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Response Code	Response Statement
P101	If medical advice is needed, have product container or label at hand.
P303 + P361 + P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P363	Wash contaminated clothing before reuse.
P308 + P313	IF exposed or concerned: Get medical advice/ attention.
P314	Get medical advice/attention if you feel unwell.
P301 + P330 + P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P304 + P340	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P310	Immediately call a POISON CENTER or doctor/physician.
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 foam,carbon dioxide or dry chemical powder for extinction.
P391	Collect spillage.

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

Disposal Code	Disposal Statement
P501	Do not let this product enter the environment. Do not dispose of in waterways or sewers. Dispose of this material and its container as hazardous waste, via a licensed hazardous waste contractor. See local council for disposal/recycling information.

COMPONENT B:

Hazardous Status:	**Classified as hazardous according to the criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001**
HSNO Classes:	3.1B, 6.1E (Oral), 8.2C, 8.3A
EPA Approval Code:	Surface Coatings and Colourants (Flammable, Corrosive) – HSR002663
GHS Certificate:	Highly flammable liquid, Cat 2 Harmful if swallowed, Cat 5 Severe skin burns/irritation, Cat 3 Serious eye damage/eye irritation, Cat 2A
GHS Pictograms:	
GHS Signal Word:	DANGER

HSNO Classification	Hazard Code	Hazard Statement
3.1B	H225	Highly flammable liquid and vapour.
6.1E (oral)	H303	May be harmful if swallowed.
8.2C	H314	Causes severe skin burns and eye damage.
8.3A	H318	Causes serious eye damage.

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

Response Code	Response Statement
P101	If medical advice is needed, have product container or label at hand.
P303 + P361 + P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P363	Wash contaminated clothing before reuse.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P301 + P330 + P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P304 + P340	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P370 + P378	In case of fire: Use foam, carbon dioxide or dry powder for extinction
P305 + P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor/physician.

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

Disposal Code	Disposal Statement
P501	Do not let this product enter the environment. Do not dispose of in waterways or sewers. Dispose of this material and its container as hazardous waste, via a licensed hazardous waste contractor. See local council for disposal/recycling information.

Section 3 Composition / Information on Hazardous Ingredients

COMPONENT A:

Ingredients	Wt%	CAS NUMBER.
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	

COMPONENT B:

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.

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.
- 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.
- Take precautionary measures against static discharge.
- Avoid breathing fumes and vapours or sprays.
- Wash hands thoroughly after handling.
- Use only outdoors or in a well-ventilated area.
- 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 ppm	TWA mg/m³	STEL ppm	STEL mg/m³
COMPONENT A				
Propan-2-ol	400ppm	999 mg/m³	500ppm	1250 mg/m³
2-Methylpropan-1-ol	50ppm	154 mg/m³	75ppm	231 mg/m³
Chromium (VI) compounds (as Cr)		0.05 mg/m³		
Xylene, o-, m-, p-or mixed Isomers	50ppm	220 mg/m³	100ppm	441 mg/m³
Talc, respirable dust		1 mg/m³		
COMPONENT B				
Propan-2-ol	400ppm	999 mg/m³	500ppm	1250 mg/m³
2-Methylpropan-1-ol		1 mg/cm³		2 mg/cm³

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:
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 Protective Equipment:

Respiratory: In case of inadequate ventilation, use air-supplied full-mask.

Hand Protection: 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.

Eye Protection: Tight fitting safety goggles or face shield should be used

Skin Protection: Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

Hygiene Measures: 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

	COMPONENT A	COMPONENT B
Appearance:	Yellow liquid	Translucent Liquid
Odour:	Solvent	Solvent
Odour Threshhold:	Data not available	Data not available
pH (at 20°C):		
Melting Point/Freezing Point (°C):	Data not available	Data not available
Initial Boiling Point & Boiling Range (°C):	81-108	81 - 81
Flash Point (°C):	17.5	15
Flammability (solid, gas):	Data not available	Data not available
Explosive Limits:	1.1 - 12.0 vol%	1.1 - 11.2 vol%
Vapour Pressure (Pa):	4266	4266
Vapour Density:	Data not available	Data not available
Relative Vapour Density (air = 1):	0.85 - 0.95	0.85 - 0.95
Solubility(ies):	Insoluble in water, soluble in organic solvents	Completely miscible with water
Partition Co-efficient n-octanol/water:	Data not available	Data not available
Auto-ignition Temperature:	Data not available	Data not available
Decomposition Temperature:	Data not available	Data not available
Kinetic Viscosity:	Data not available	Data not available
Particle Characteristics:	Data not available	Data not available

Section 10 Stability and Reactivity

Chemical Stability Stable under normal usage conditions.
Curing time: 10 min - 1 h (20 °C)

Conditions to Avoid Avoid heat, flames and other sources of ignition.

Incompatibility Avoid contact with acids and alkalis. Avoid contact with oxidisers or reducing agents.

Hazardous Decomposition Products None in particular.

Section 11 Toxicological Information

Acute Oral Toxicity:

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

Acute Dermal Toxicity:

2-Methylpropan-1-ol	LD50 (rabbit)	= LD50 3400mg/kg

Inhalation

Xylene	LD50 (rat)	= LC50 27.6mg/L

Chronic Effects:

Inhalation: Harmful by inhalation. Vapours may irritate throat and respiratory system and cause coughing. In high concentrations, vapours are narcotic and may cause headache, fatigue, dizziness and nausea.

Skin Contact: Strongly irritating. Prolonged contact may cause burns. Harmful in contact with skin. May be absorbed through the skin. Risk of sensitisation or allergic reactions among sensitive individuals.

Eye Contact:	Strongly irritating. Risk of serious damage to eyes.
Ingestion:	Harmful if swallowed. May be absorbed in the body and cause dizziness, nausea and vomiting.
Special Effects:	Contains: Zinc chromate Carcinogen Category 1. Known or suspected carcinogen for humans. May cause sensitisation.

Section 12 Ecotoxicological Information

COMPONENT A:	**Propspeed Etching Primer Base**
HSNO Classifications:	9.1B = Toxic to aquatic life with long lasting effects.
Zinc chromate	L(E)C50 > 0.1 ⩽ 1 mg/l
Environmental Precautions Mobility:	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.
Degradability:	The product hardens to a not readily degradable mass. This product is expected to be not readily biodegradable.
Bioaccumulation:	No data.

COMPONENT B:	**Propspeed Etching Primer Hardener**
Ecotoxicity:	No data.
Mobility:	No data.
Degradability:	No data.
Bioaccumulation:	No data.

Section 13 Disposal Considerations

Triple rinse or crush containers and dispose of in accordance with Local Regulations.

Section 14 Transport Information

COMPONENT A:	**Propspeed Etching Primer Base**
UN No	3469
Proper Shipping Name	PAINT, FLAMMABLE, CORROSIVE
Class	3,8
Packing Group	II
Hazchem	3WE
Marine Pollutant	Yes

COMPONENT B: **Propspeed Etching Primer Hardener**

UN No	3469
Proper Shipping Name	PAINT RELATED MATERIAL, FLAMMABLE, CORROSIVE
Class	3,8
Packing Group	II
Hazchem	3WE
Marine Pollutant	No

Section 15 Regulatory Information

COMPONENT A: **Propspeed Etching Primer Base**

Group Standard: **HSR002664 - Surface Coatings and Colourants - Flammable, Corrosive, Toxic (6.7)**

HSNO Classification: 3.1B, 6.5B, 6.6A, 6.7A, 6.8B, 6.9B, 8.2C, 8.3A, 9.1B

HSNO Controls:

Level 2:
SDS required when any quantity is present in a workplace.
Fire Extinguishers: At least 2 x 4.5kg extinguishers required 250L is present in a workplace.

Level 3:
Emergency Response Plan and Secondary Containment required when >1,000L is present in a workplace.
Flammable signage required when >250L is stored.
Corrosive signage required when >1,000L is stored.
Ecotoxic signage required when >1,000L is stored.

Location and transit depot test certification required for quantities greater than:
100L (closed containers >5L), 250L (closed containers up to 5L), 50L (open containers)

Hazardous atmosphere zone required for quantities greater than:
100L (closed containers), 25L (decanting), 5L (open occasionally), 1L (open containers in continuous use)

Trigger quantities for this substance:

	Trigger Quantity
Approved Handler	Required when present in quantities greater than 10L
Location Certification	Required for quantities greater than: 100L (closed containers >5L), 250L (closed containers up to 5L), 50L (open containers)
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	250L(3.1B)
Emergency Response Plan trigger Quantities	1000L(3.1B)

COMPONENT B:	**Propspeed Etching Primer Hardener**
Group Standard:	**HSR002663 - Surface Coatings and Colourants - Flammable, Corrosive**
HSNO Classification:	3.1B, 6.1E (Oral), 8.2C, 8.3A
HSNO Controls:	**Level 2:** SDS required when any quantity is present in a workplace. Fire Extinguishers: At least 2 x 4.5kg powder extinguishers required 250L is present in a workplace. **Level 3:** Emergency Response Plan and Secondary Containment required when >1,000L is present in a workplace. Flammable signage required when >250L is stored. Corrosive signage required when >1,000L is stored. Ecotoxic signage required when >1,000L is stored

Trigger quantities for this substance:

	Trigger Quantity
Approved Handler	250L (if container >5L)
	500L (if container <5L)
Location & Transit Depot Test Certification	Required for quantities greater than: 100L (closed containers >5L), 250L (closed containers up to 5L), 50L (open containers)
Hazardous Atmosphere Zone`	Required for quantities greater than: 100L (closed containers),
	25L (decanting), 5L (open occasionally), 1L (open containers in continuous use)
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	250L(3.1B)
Emergency Response Plan trigger Quantities	1000L(3.1B)

Section 16 Other Information

1. HSNO Approved Code of Practice: Preparation of Safety Data Sheets, September 2006.

Disclaimer

This document has been compiled by TCC on behalf of the manufacturer of the product and serves as the manufacturer's Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided to TCC by the manufacturer 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 has 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 accepts 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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