Clear Coat

Safety Data Sheet

Section 1 Identification of the material and the supplier

Product:	Propspeed Clear Coat
Product Code:	
Product Use:	Propeller Coating
New Zealand Supplier:	Oceanmax International Ltd PO Box 83 232 Edmonton Auckland 0652 New Zealand www.propspeed.com
NZ Emergency Telephone:	0800 CHEMCALL (0800 243 622) For any Hazardous Substance Emergency (24 hours, 365 days)
Date of SDS Preparation:	25 June 2014 – version 2

Section 2 Hazards Identification

This substance is classified as a dangerous good according to NZS5433: 2007

This substance is hazardous according to the HSNO (Minimum Degrees of Hazard) Regulations 2001

EPA Approval Code: Surface Coatings and Colourants (Flammable) – HSR002662

Pictograms:

HSNO Classification	Hazard Code	Hazard Statement
3.1C	H226	Flammable liquid and vapour.
6.1E	H333	May be harmful if inhaled.
6.3A	H315	Causes skin irritation.
6.4A	H319	Causes serious eye irritation.
6.8B	H361	Suspected of damaging fertility or the unborn child
6.9B	H335	May cause respiratory irritation.
9.1D	H402	Harmful to aquatic life.
9.3C	H433	Harmful to terrestrial vertebrates.

All chemicals present in this product are on the TSCS List

Prevention Code	Prevention Statement
P102	Keep out of reach of children.
P103	Read label before use.
P104	Read safety data sheet before use
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat, sparks, open flames and hot surfaces. No smoking.
P233	Keep container tightly closed.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing fumes and vapours or sprays.
P264	Wash hands thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective clothing and protective equipment

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.
P331	Do NOT induce vomiting.
P338	Remove contact lenses, if present and easy to do. Continue rinsing.
P362	Take off contaminated clothing and wash before re-use.
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 + P312	IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.
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.
P332 + P313	If skin irritation occurs: Get medical advice/ attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P370 + P378	In case of fire: Use alcohol compatible foam or water spray for extinction.

Storage Code	Storage Statement
P405	Store locked up.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
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.
Trimethoxy(methyl)silane	1-5	1185-55-3
Methanol	0.1-2	67-56-1
Diisopropoxytitanium bus (ethylacetoacetate)	0.1-2	27858-32-8
Methoxy and aminofunctional silance	0.1-2	
Xylene	10-30	1330-20-7
Trimethylated silica	1-5	727-697-1
Non-hazardous ingredients	To balance	

Section 4 First Aid Measures

If in Eyes	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if needed.
If on Skin	Wash with soap and water. Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical attention if needed.
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	Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Silica. Carbon oxides and traces of incompletely burned carbon compounds. Formaldehyde. Hydrogen, nitrogen products.
Suitable Extinguishing media	On large fires use AFFF alcohol compatible foam or water spray (fog). On small fires use AFFF alcohol compatible foam, CO2 or water spray (fog). Water can be used to cool fire exposed containers. Most fire extinguishing media will cause hydrogen release. Thus, in poorly ventilated or confined spaces, the accumulation of hydrogen may result in flash fire or explosion if ignited. Applying foam may release flammable hydrogen gas that can be trapped under the foam. Unsuitable: Dry powder. Do not allow extinguishing medium to contact container contents
Precautions for firefighters and special protective clothing	A self-contained respirator and protective clothing should be worn. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool. Vapours may form explosive mixtures with air.
HAZCHEM CODE	3Y

Section 6 Accidental Release Measures

Wear protective PVC gloves, chemical goggles and PVC boots. Contain spill with earth and sand. Where practical, transfer spilt material to clean polyethylene containers for disposal. Transfer contaminated earth or sand into polyethylene containers for disposal. Neutralise residual acid with soda ash or lime. Wash down area with excess water. Do not allow to drain or watercourse. Dispose of solid residues in chemical waste disposal area in accordance with relevant Local Council requirements. Use licensed trade waste contractor to dispose of all chemical residues.

Section 7 Handling and Storage

Precautions for safe handling:

- Ventilation is recommended
- 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.
- This product may evolve hydrogen on storage.
- 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	CAS #	TWA ppm	TWA mg/m3	STEL ppm	STEL mg/m3
Trimethylated Silica	68909-20-6	respirable dust inhalable dust	5mg/m3 10mg/m3		
Trimethoxy (methyl) silane	1185-55-3	220ppm		250ppm as methanol	
Methanol	67-56-1	220ppm	266mg/m3	250ppm	333mg/m3
Xylene	1330-20-7	100ppm	662mg/m3	150ppm	441mg/m3

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: Ventilation is recommended

Personal Protective Equipment:

Respiratory: Suitable respiratory protection should be worn in confined spaces or in case of inadequate ventilation. A suitable respirator must be worn if during use an aerosol or mist is generated.

Hand Protection: Wear protective gloves, Nitrate gloves are recommended.

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

Skin Protection: Wear impervious overalls if significant skin contact is likely to occur.

Hygiene Measures: Exercise proper industrial hygiene practices. Wash after handling, especially before eating, smoking or drinking. Contaminated clothing should be immediately removed.

General: These precautions are for handling the product in normal conditions and application techniques. This product must not be sprayed during application.

Section 9 Physical and Chemical Properties

Physical State:	Translucent Liquid
Odour:	Solvent
Solubility:	Insoluble in water, soluble in organic solvents
Relative Vapour Density (air=1):	1
Boiling point:	>65°C
Viscosity:	400 mPa @ 25°C
Flash Point:	23°C

Section 10 Stability and Reactivity

Chemical Stability	Stable under normal usage conditions
Conditions to Avoid	Avoid heat, flames and other sources of ignition.
Incompatibility	Hydrogen is liberated on contact with water, alcohols, acidic or basic materials, many metals or metallic compounds and can form explosive mixtures in the air. Can react with strong oxidizing agents
Hazardous Decomposition Products	Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Silica. Carbon oxides and traces of incompletely burned carbon compounds. Formaldehyde. Hydrogen, nitrogen products.

Section 11 Toxicological Information

Acute Oral Toxicity:

Methanol	=	LD50(Human) = 300mg/kg
Methoxy and aminofunctional Silane	=	LD50 (mouse) = 1590mg/kg

Acute Dermal Toxicity:

Methanol	=	LD50 (Human) = 1000mg/kg

Acute Dermal Toxicity:

Methanol	=	LC50(Human) = 10mg/L (4 hrs)
Methoxy and aminofunctional Silane	=	LC50 (Rat) = 27.6mg/L

Chronic Effects:

Inhalation:	Harmful by inhalation of vapour. May cause dizziness, drowsiness, confusion, headaches, nausea, and at high concentrations unconsciousness
Skin Contact:	Irritating. Harmful in contact with skin. May produce an allergic reaction. Repeated or prolonged contact may cause defatting of the skin leading to dermatitis
Eye Contact:	May cause temporary discomfort
Ingestion:	Small amounts transferred to the mouth by fingers during use should not injure. Swallowing large amounts may cause digestive discomfort Forms methanol and may cause serious injury to man at does > 200mg/kg Special Effects:This product contains powder hazardous by inhalation. This is not relevant to the current physical form of the product, which is not a respirable form. Product may emit formaldehyde vapour at temperatures above 180°C in the presence of air. Formaldehyde vapour is a suspected carcinogen, toxic by inhalation and irritating to eyes and the respiratory system. Exposure limits should be strictly respected.

Section 12 Ecotoxicological Information

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

Environmental Precautions:

Mobility: Siloxanes are removed from water by sedimentation or binding to sewage sludge. In soil, siloxanes are degraded. This product hydrolyses in water or moist air, releasing methanol and organosilicons. This product contains volatile substances which may spread in the atmosphere

Degradability: Silicone content, biologically not degradable

Bioaccumulative: No bioaccumulation predicted

Section 13 Disposal Considerations

Triple rinse and dispose of in accordance with Local Regulations.
Ensure waste container is labelled "Hazardous Waste – Flammable"

Section 14 Transport Information

This substance is classified as a dangerous good according to NZS5433: 2007

Road and Rail Transport

UN No	1263
Class-primary	3
Packing Group	III
Proper Shipping Name	PAINTS

Marine Transport

UN No	1263
Class-primary	3
Packing Group	III
Proper Shipping Name	PAINTS

Air Transport

UN No	1263
Class-primary	3
Packing Group	III
Proper Shipping Name	PAINTS

Section 15 Regulatory Information

HSNO Classes: 3.1C, 6.1E, 6.3A, 6.4A, 6.8B, 6.9B, 9.1D, 9.3C

EPA Approval Code: **Surface Coatings and Colourants (Flammable) – HSR002662**

HSNO Controls

Trigger quantities for this substance:

	Trigger Quantity
Approved Handler	Not required
Location Certificate	500L(>5L), , 250L (<5L), 50L open
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	1000L
Emergency Response Plan trigger Quantities	10 000L

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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