



SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Issue Date: 1st May 2011 **Issue Number :** 1

Product Name: Propspeed Clear

Proper Shipping Name: Paint – Foul release

Use : Propellor Coating

Supplier: Oceanmax International Ltd
Po Box 98
Westpark Marina
Hobsonville
Auckland

Emergency Contact Details: 0800 CHEMCALL (0800 243 622)
For any Hazardous Substance Emergency
(24 hours, 365 days)

2. HAZARDS IDENTIFICATION

The product is classified:

Physical and Chemical Hazards: Flammable. Vapours may form explosive mixtures with air.

Human Health: Harmful by inhalation and in contact with skin. Irritating to skin.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Characterisation: Silicone Coating

Hazardous Ingredients:

<u>%</u>	<u>CAS-No.:</u>	<u>EC No.:</u>	<u>Chemical Name:</u>	<u>Hazard Classification:</u>	<u>Note:</u>
1-5	1185-55-3	214-685-0	Trimethoxy(methyl)silane	F Xn	R11 R22
0.1-2	67-56-1	200-569-6	Methanol	F T	R11 R39/23/24/25 R23/24/25
0.1-2	27858-32-8	248-697-2	Diisopropoxytitanium bis (ethylacetoacetate)	R10 Xi Xi	R38 R41
0.1-2		Exempt or not available	Methoxy and aminofunctional silane	Xn Xi	R22 R36
10-30	1330-20-7	215-535-7	Xylene	Xn Xi	R20/21 R38 R10
1-5	68909-20-6	727-697-1	Trimethylated silica		



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4. FIRST AID MEASURES

Skin Contact: Immediately flush with water and wipe off, obtain medical attention

Eye Contact: Flush with water

Ingestion: Do not induce vomiting, obtain medical attention

5. FIRE-FIGHTING MEASURES

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 Extinguishing Media: Dry powder. Do not allow extinguishing medium to contact container contents

Hazards: Vapours may form explosive mixtures with air

Protective Equipment: 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.

Hazardous Combustion 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.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear protective equipment

Environmental Precautions: Do not discharge into drains or watercourses

Methods For Cleaning Up: Absorb spillage with absorbent material and place in a ventilated container

7. HANDLING AND STORAGE

Safe Handling Advice: Ventilation is recommended, avoid eye contact, product must not be sprayed, do not breathe spray or mist, do not ingest

Technical Measures: Do not eat, drink or smoke when using the product



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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

Unsuitable Packaging: Do not store or use in glass containers

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Measures: Ventilation, refer to section 7

Exposure controls for hazardous components

<u>Name</u>	<u>CAS-No.</u>	<u>Exposure Limits</u>
Trimethylated Silica	68909-20-6	5mg/m ³ (OEL, 8h TWA) respirable dust; 10mg/m ³ (OEL, 8h TWA) total inhalable dust
Trimethoxy (methyl) silane	1185-55-3	220ppm TWA, 250ppm STEL as methanol
Methanol	67-56-1	250ppm STEL 220ppm TWA 333mg/m ³ STEL 266mg/m ³ TWA
Xylene	1330-20-7	150ppm STEL 100ppm TWA 662mg/m ³ STEL 441mg/m ³ TWA

Personal Protection Equipment

Respiratory Equipment: 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, Nitrile 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

Environmental Exposure Controls: Per clause 6 & 12

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



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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Translucent Liquid
Odour:	Solvent
Boiling Point:	> 65°C
Flash Point:	23°C
Explosive Properties:	No. Some hydrogen gas may be released. Hydrogen is flammable and can form explosive mixtures with air. Vapours may form explosive mixtures with air
Relative Density:	1
Viscosity:	400mpa at 25°C
Solubility:	Insoluble in water, soluble in organic solvents
Oxidising Properties:	No

10. STABILITY AND REACTIVITY

Stability:	Stable under normal usage conditions
Conditions/ Material to Avoid:	Avoid heat, flames and other sources of ignition. 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

11. TOXICOLOGICAL INFORMATION

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
Specific 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.



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12. ECOLOGICAL INFORMATION

- 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
- Ecotoxicity:** No adverse effects on aquatic organisms are predicted
- Bioaccumulative Potential:** No bioaccumulation predicted
- Other Effects:**

13. DISPOSABLE CONSIDERATIONS

- Waste From Residues:** Dispose of in accordance with local regulations
- Contaminated Packaging:** Dispose of in accordance with local regulations

14. TRANSPORT INFORMATION

Sea (IMDG):
UN-Number: 1263
Proper Shipping Name: Paint
Class: 3
PG: III
EmS: F-E
S-E
Labels: Flammable liquid

Air (ICAO/IATA):
UN-Number: 1263
Proper Shipping Name: Paint
Class: 3
PG: III
Labels: Flammable liquid

Land (RID/ADR):
UN-Number: 1263
Proper Shipping Name: Paint
Class: 3
Packing Group: III
Labels: 3



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15. REGULATORY INFORMATION

Warning Label – EEC Directive

Contains: Xylene

Symbols: Xn Harmful

R-Phrases: R10 Flammable
R20/21 Harmful by inhalation and in contact with skin
R38 Irritating to skin

S-Phrases: S9 Keep container in a well ventilated place
S16 Keep away from sources of ignition – no smoking
S23(S) Do not breathe spray
S24 Avoid contact with skin
S25 Avoid contact with eyes
S36/37 Wear suitable protective clothing and gloves
S51 Use only in well ventilated areas

National Regulation: Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002 (S.I 2002 No. 1689) with amendments.
The Control of substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.
EH40/2005, Workplace exposure limits 2005, with amendments
The Management of Health and Safety at Work Regulations 1999 (SI 1999 No. 3242)
The List of Wastes (England)(Amendment) Regulations 2005. (SI 2005 No. 895)

16. OTHER INFORMATION

The information and instructions on this Safety Data Sheet are based on current technical knowledge as dated. This Safety Data Sheet does not represent a guarantee for the properties of the product.

Wording of risk phrases:

R10 Flammable
R11 Highly flammable
R22 Harmful if swallowed
R23/24/25 Toxic by inhalation, in contact with skin and if swallowed
R36 Irritating to eyes
R38 Irritating to skin
R39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed
R41 Risk of serious damage to eyes