

SAFETY DATA SHEET

Section 1.	Identification of the material and the supplier
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Product:	Top Flight Antifouling
Item Code:	7000
UN no.	1263
Product Use:	As anti-fouling on underwater sections of hulls of craft to prevent growth of weeds and marine organism
Restriction of Use:	Refer to Section 15
Australian Manufacturer:	Norglass Laboratories Pty Ltd
Address:	59 Moxon Road Punchbowl NSW 2196 Australia
Telephone:	+61 2 9708 2200
Email:	info@norglass.com.au
New Zealand Supplier:	xxx
Address:	xxx
	xxx
Telephone:	0508 724687
Emergency Numbers:	
Australia:	13 1126 (Poisons Information Centre)
New Zealand:	0800 764 766 (National Poison Centre)
Date of SDS Preparation:	7 November 2016 v2

Section 2.	Hazards Identification
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This substance is hazardous according to:
New Zealand - The HSNO (Minimum Degrees of Hazard) Regulations 2001
Australia – Approved Criteria for Classifying Hazardous Substances
[NOHSC:1008(2004)]

New Zealand:
EPA Approval No:
Surface Coatings and Colourants (Flammable, Toxic [6.7]) – HSR002669

Pictograms



Flammable



Toxic/ Irritant



Chronic

Signal Word: **Warning**

HSNO Classification	Hazard Code	Hazard Statement	GHS Category
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3.1C	H226	Flammable liquid and vapour.	Category 3
6.1D (oral)	H302	Harmful if swallowed.	Category 4
6.3B	H316	Causes mild skin irritation.	Category 3
6.4A	H319	Causes serious eye irritation.	Category 2A
6.5B	H317	May cause an allergic skin reaction.	Category 1
6.7B	H351	Suspected of causing cancer.	Category 2
6.9B	H373	May cause damage to organs through prolonged or repeated exposure.	Category 2

Prevention Code	Prevention Statement
P102	Keep out of reach of children.
P103	Read label 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.
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 or vapours.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective clothing.
P281	Use personal protective equipment as required.

Response Code	Response Statement
P101	If medical advice is needed, have product container or label at hand.
P314	Get medical advice/attention if you feel unwell.
P330	Rinse mouth.
P363	Wash contaminated clothing before reuse.
P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
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.
P305 + P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P370 + P378	In case of fire: Use dry chemical, carbon dioxide or foam 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 or Authorities

Section 3. Composition / Information on Ingredients

Ingredients	Wt%	CAS NUMBER.
Cuprous Oxide	49-55	1317-39-1
Aromatic Solvent	10-22	64792-94-5
Pigments	10-18	Proprietary
Rosins	9-15	Proprietary
Synthetic Resins	5-10	Proprietary

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice.
If on Skin	Wash with plenty of soap and water. Take off contaminated clothing and wash before re-use. If skin irritation or rash occurs: get medical advice/attention.
If Swallowed	Rinse mouth. If the victim is conscious give water drink to dilute the effect. If vomiting occurs, place victim face downwards, with the head turned to the side and lower than the hips to prevent vomit entering the lungs. Seek immediate medical attention.
If Inhaled	Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Get medical advice if breathing becomes difficult or if you feel unwell.

Section 5. Fire Fighting Measures
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Hazard Type	Flammable. May form explosive mixtures with air
Hazards from combustion products	Combustion product may be toxic.
Suitable Extinguishing media	Use dry chemical, carbon dioxide or foam to extinguish fire.
Precautions for firefighters and special protective clothing	Wear self-contained breathing apparatus. Eliminated oxygen, spontaneous may occur oxidising product to CuO if exposed to moist air at >100°C.
HAZCHEM CODE	3Y

Section 6. Accidental Release Measures

Wear protective equipment as detailed in Section 8. Clear area of any unprotected personnel.

Extinguish all sources of ignition. Absorb the spill onto dry sand or earth and collect up and label containers for disposal. Dispose by incineration by approved agent or local regulations. Adequate steps should be taken to prevent spillage reaching waterways and drains.

Section 7. Handling and Storage
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Precautions for Handling:

- Read label before use.
- Do not handle until all safety precautions have been read and understood.
- Do not breathe fumes or vapours.
- Keep away from heat, sparks, open flames or hot surfaces. No smoking.
- Keep container tightly closed.
- Ground/bond container and receiving equipment.
- Use explosion-proof electrical/ventilating/lighting.
- Use only non-sparking tools.
- Take precautionary measures against static discharge.
- Wash hands thoroughly after handling.

- Do not eat, drink or smoke when using this product.
- Contaminated work clothing should not be allowed out of the workplace.
- Wear protective clothing.
- Use personal protective equipment as required.

Precautions for Storage:

- Store away from incompatible materials listed in Section 10.
- Store locked up, in a well-ventilated place. Keep cool.
- Product should be stored in properly sealed containers, if at all, not used in one application.
- Keep out of reach of children.
- Partly used containers should be properly sealed to avoid spillage.
- Under certain conditions cuprous oxide present in the product may react violently with strong reactants such as acids and bases.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³

No ingredients have exposure limits.

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

Use only in well ventilated areas. Apply local dust extraction to areas where product is sanded to avoid exposure to dust inhalation.

Personal Protection

Eyes	Wear safety goggles with side shields.
Hands and Skin	Wear overall, use Barrier cream on skin. Wear chemical resistant gloves, goggles and safety mask.
Respiratory	Avoid breathing dust when sanding.

Section 9 Physical and Chemical Properties

Appearance	Coloured (Red, Black or Blue) viscous liquid
Odour	Solvent odour
Odour Threshold	Not applicable
pH	Not applicable
Boiling Point	174 ⁰ C for solvent
Melting Point	Not applicable
Freezing Point	Not applicable
Flash Point	32 ⁰ C
Flammability	Flammable
Upper and Lower Exposure Limits	Not available
Volatile Component	Not available
Vapour Pressure 25⁰C	Not applicable
Specific Gravity	1.750 – 2.039
Solubilities	Insoluble
Partition Coefficient:	Not applicable
Auto-ignition Temperature	Not applicable

Decomposition Temperature	Not applicable
Kinematic Viscosity	Not applicable
Particle Characteristics	Not applicable

Section 10. Stability and Reactivity

Stability of Substance	This product is stable under normal conditions.
Conditions to Avoid	Sources of ignition. Heat.
Incompatible Materials	Oxidisers, strong acids and bases, other flammables.
Hazardous Decomposition Products	Combustion product may be toxic.

Section 11 Toxicological Information

Acute Effects:

Swallowed	Harmful if swallowed. Product contains cuprous oxide and will irritate mouth, throat and digestive tract, may result in nausea, chill and diarrhoea if swallowed in large quantities.
Dermal	Not applicable.
Inhalation	Not applicable.
Eye	Causes severe eye irritation.
Skin	Causes mild skin irritation. May cause an allergic skin reaction.

Chronic Effects:

Carcinogenicity	Suspected of causing cancer.
Reproductive Toxicity	Not applicable
Germ Cell Mutagenicity	Not applicable.
Aspiration	Not applicable.
STOT/SE	Not applicable.
STOT/RE	May cause damage to the organs with prolonged or repeated exposure.

Section 12. Ecotoxicological Information

This product is not hazardous to the environment.

Persistence and degradability	No data available
Bioaccumulation	No data available
Mobility in Soil	No data available
Other adverse effects	No data available

Section 13. Disposal Considerations

Disposal Method: Place recovered product into an appropriate waste container for disposal through appropriate waste company or specialized landfill in accordance with local regulations. Ensure container is sealed and isolated away from ignition sources and marked "Flammable".

Precautions: If triple rinsing container, add rinsate to waste container for disposal.

Disposal methods to avoid: Do not release product into the environment prior to curing.

Section 14 Transport Information

This product is classified as a Dangerous Good for transport in NZ ; NZS 5433:2012 and Australian Dangerous Goods Code ADG7 and NOHSC:1008(2004)

Road and Rail Transport

UN No: 1263
Class-primary 3
Packing Group III
Proper Shipping Name: PAINT FLAMMABLE LIQUID

Air Transport

UN No: 1263
Class-primary 3
Packing Group III
Proper Shipping Name: PAINT FLAMMABLE LIQUID

Marine Transport

UN No: 1263
Class-primary 3
Packing Group III
Proper Shipping Name: PAINT FLAMMABLE LIQUID

Section 15 Regulatory Information

**This substance is hazardous according to:
New Zealand - The HSNO (Minimum Degrees of Hazard) Regulations 2001
Australia – Approved Criteria for Classifying Hazardous Substances
[NOHSC:1008(2004)]**

Poison Schedule: Not Scheduled

New Zealand:

EPA Approval Code: Surface Coatings and Colourants (Flammable, Toxic [6.7]) – HSR002669

HSNO Classification: 3.1C, 6.1D(oral), 6.3B, 6.4A, 6.5B, 6.7B, 6.9B

HSNO Controls:

Trigger quantities for this substance:

	Trigger Quantity
Approved Handler	Not required
Location Certificate	500L(>5L), 1500L(<5L), 250L open
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	1000L(3.1C)
Emergency Response Plan	1000L (6.1D)
Stationery containment	1000L
Restriction of Use	None

Section 16 Other Information

Glossary

EC50	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
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.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.

Product Name: Top Flight Antifouling
Date of SDS: 7 November 2016

Issued by: Technical Compliance Consultants (NZ) Ltd
Tel: 64 9 475 5240 www.techcomp.co.nz

1. HSNO Approved Code of Practice: Preparation of Safety Data Sheets, September 2006.
2. Safework Australia: Preparation of SDS sheets for hazardous chemicals(Code of Practice).

Disclaimer

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Please contact the Australian Manufacturer, if further information is required.

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