

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name : **Biocop TF**
Product form : liquid
Other means of identification : 1230-1 Dark Blue

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Antifouling

1.3. Details of the supplier of the safety data sheet

Akzo Nobel Coatings Ltd.
686 Rosebank Road, Avondale, Auckland 7 New Zealand
(09) 828 3009
Emergency number 0800 503 008

1.4. Emergency telephone numbers

For Hazardous Materials [or Dangerous Goods] Incident spill, leaks, fire, Exposure, or Accident Call CHEMTREC 24 hours 7 days per week

Emergency number :CHEMTREC Outside USA and Canada: +1 703-741-5970 (collect calls accepted)

Emergency number :CHEMTREC Within USA and Canada: 1-800-424-9300 CCN155

Emergency number :New Zealand Poisons Information Centre 0800 764 766 (24 hours)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

This material substance is classified as hazardous according to criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001 and has been classified according to the Hazardous Substances (Classifications) Regulations 2001 Notice.

EPA Approval No: HSR100850 - Antifouling paint containing cuprous oxide and zinc pyrithione

Classification (GHS)

Flammable Liquid 3	H226
Acute Toxicity 4 (oral)	H302
Acute Toxicity 4 (inhalation)	H332
Aspiration Toxicity 1	H304
Eye Damage 1	H318
Carcinogenicity 2	H351
Reproductive toxicity 2	H361
Reproductive toxicity- additional effects via lactation	H362
Specific target organ toxicity (repeated exposure) 2	H373
Aquatic Chronic Toxicity 1	H410
Aquatic Acute Toxicity 1	H400

2.2. Label elements

GHS

Hazard pictograms (GHS) :



Signal word (GHS) : **Danger**

Hazard statements (GHS) : H226 - Flammable liquid and vapor
H302 - Harmful if swallowed

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H332 – Harmful if inhaled
 H351 – Suspected of causing cancer
 H361 – Suspected of damaging fertility of the unborn child
 H362 – May cause harm to breast-fed children
 H373 – May cause damage to organs
 H304- May be fatal if swallowed and enters airways

H318- Causes serious eye damage
 H351- Suspected of causing cancer
 H361 – Suspected of damaging fertility or the unborn child
 H362 – May cause harm to breast fed children
 H373 - May cause damage to organs through prolonged or repeated exposure
 H400- Very toxic to aquatic life
 H410- Very toxic to aquatic life with long lasting effects

Precautionary statements (GHS)

: P201 – Obtain special instructions before use.
 P202 - Do not handle until all safety percautions have been read and understood
 P210 - Keep away from heat, hot surfaces, open flames, sparks. - No smoking
 P233 – Keep container tightly closed
 P240 - Ground and bond container and receiving equipment.
 P241 - Use explosion proof equipment.
 P242 – Use non-sparking tools.
 P243 – Take action to prevent static discharge.
 P260 – Do not breathe dusts or mists.
 P261 - Avoid breathing dust/fume/mist/vapors/spray
 P263 Avoid contact during pregnancy and while nursing
 P264 – Wash face, hands and forearms thoroughly after handling
 P270 – Do not eat, drink, or smoke when using this product
 P271 – Use only outdoors or in a well-ventilated area
 P273 - Avoid release to the environment
 P280 - Wear eye protection, protective clothing, protective gloves, face protection
 P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor
 P304+P340 – IF INHALED: remove person to fresh air and keep comfortable for breathing
 P303+P353+P361 - IF ON SKIN (or hair): Take off immediately all contaminated clothing and wash before reuse. Rinse skin with water.
 P305+P351+P338- IF IN EYE: Rinse continuously with water for several minutes. Remove contact lense if present and easy to do- continue rinsing
 P308+P313 - If exposed or concerned: Get medical advice/attention
 P310 – Immediately call a POISON CENTER or doctor if in eyes.
 P312 – Call a POISON CENTER/doctor if you feel unwell.
 P314 – Get medical attention if you feel unwell.
 P330 - Rinse mouth.
 P331 – Do NOT induce vomiting
 P370+P378 – In case of fire: Use carbon dioxide, dry powder, alcohol-resistant foam or water spray to extinguish.
 P391- Collect spillage
 P403 + P235 - Store in a well ventilated place. Keep Cool.
 P405- Store locked up
 P501 - Dispose of contents/container to licensed waste handling facility

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Substance type: Multi-constituent

Name	Product identifier	%
Solvent naphtha(petroleum), light aromatic	(CAS No) 64742-95-6	10-25
Ethylbenzene	(CAS No) 100-41-4	0.01 - 1

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Name	Product identifier	%
Cupric oxide	(CAS No) 1317-38-0	3-10
Zinc oxide	(CAS No) 1314-13-2	1-10
Cuprous oxide	(CAS No) 1317-39-1	35-50
Zinc pyrithione	(CAS No) 13463-41-7	4-10
Cumene	(CAS No) 98-82-8	0.1-1
Pseudocumene	(CAS No) 95-63-6	5-10
Xylene	(CAS No) 1330-20-7	0.1-1
Rosin x50	(CAS No) 8050-09-7	5-10
C18-28 Long Chain Chlorinated Paraffins	(CAS No) 63449-39-8	0.1-1
Talc	(CAS No) 14807-96-6	5-10
Crystalline silica (quartz)	(CAS No) 14808-60-7	0.1-1
2-Pyridol, 1-Oxide	(CAS No) 13161-30-3	0.1-1

SECTION 4: First aid measures

Speed in treatment is essential. If poisoning occurs, contact a Poisons Information Centre. Phone Australia 131126; New Zealand 0800 764 766 or a doctor. Have this SDS or the label with you.

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Inhalation: : IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician.

Skin contact: : IF ON SKIN: Immediately rinse with plenty of water (for at least 15 minutes). Get immediate medical advice/attention.

Eye contact: : IF IN EYES: Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 minutes minimum). Get medical advice/attention.

Ingestion: : IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

First aid facilities: : Eyewash and normal washroom facilities.

Medical attention and special treatment: : Treat symptomatically

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation : May be fatal if swallowed and enters airways.

Symptoms/injuries after skin contact : None

Symptoms/injuries after eye contact : Causes serious eye damage.

Symptoms/injuries after ingestion : Harmful if swallowed.

Chronic symptoms : Suspected of causing cancer.

4.3. Indication of any immediate medical attention and special treatment needed

Obtain medical assistance.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Carbon dioxide. Dry powder. Alcohol-resistant foam. Water spray.

Hazchem code: •3Y

5.2. Special hazards arising from the substance or mixture

Fire hazard : Flammable liquid and vapor. May produce carbon oxides under fire conditions.

Explosion hazard : Product is not explosive.

Reactivity : No dangerous reactions known under normal conditions of use.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not dispose of fire-fighting water in the environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Wear self-contained breathing apparatus and protective suit (see Section 8).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Evacuate area. Keep upwind. Ventilate area. Spill should be handled by trained clean-up crews properly equipped with respiratory equipment and full chemical protective gear (see Section 8).

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6.1.1. For non-emergency personnel

Protective equipment : Wear protective equipment as described in Section 8.
 Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Wear suitable protective clothing, gloves and eye or face protection. Wear approved supplied-air respirator, in case of emergency.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
 Methods for cleaning up : Exclude sources of ignition and ventilate the area. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13). Waste from this product may be hazardous.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Do not handle until all safety precautions have been read and understood. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Do not breathe mists. Keep away from sources of ignition - No smoking. Use appropriate personal protection equipment (PPE).

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Heat sources. Keep container closed when not in use.
 Storage temperature < 38 °C (100°F)

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No value assigned for this specific material by Worksafe NZ, however the following are the tolerable exposure limit (TEL) or exposure standards for the individual hazardous components as available and published by NZ Workplace Exposure Standard (WES) and/or as set by overseas occupational exposure limits:

Cumene (98-82-8)	
NZ Workplace Exposure Standards (New Zealand) WES	TWA 25 ppm (125 mg/m ³) STEL 75 ppm (375 mg/m ³) Note: 'skin' – can be absorbed through skin
ACGIH (TWA) (ppm)	50 ppm
OSHA PEL (TWA) (mg/m ³)	245 mg/m ³
Xylenes (o-, m-, p- isomers) (1330-20-7)	
NZ Workplace Exposure Standards (New Zealand) WES	TWA 50 ppm (217 mg/m ³) Note: 'oto' - ototoxic
Workplace Exposure Limits (UK – HSE)	TWA 50 ppm (220 mg/m ³) STEL 100 ppm (441 mg/m ³) Note 'Sk' – can be absorbed through skin. Note 'BMGV' - 650 mmol methyl hippuric acid/mol creatinine in urine; Post shift
ACGIH TWA (ppm)	100 ppm
ACGIH STEL (ppm)	150 ppm
OSHA PEL (TWA) (mg/m ³)	435 mg/m ³
OSHA PEL (TWA) (ppm)	100 ppm
OSHA PEL (STEL) (mg/m ³)	655 mg/m ³
OSHA PEL (STEL) (ppm)	150 ppm
Ethylbenzene (100-41-4)	
NZ Workplace Exposure Standards (New Zealand) WES	TWA 20 ppm (88 mg/m ³) STEL 40 ppm (176 mg/m ³) Note: 'skin' – can be absorbed through skin, 'oto' - ototoxic
ACGIH TWA (ppm)	20 ppm
Remark (ACGIH)	upper respiratory tract irritation; kidney damage (nephropathy); cochlear impairment

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OSHA PEL (TWA) (mg/m ³)	435 mg/m ³
OSHA PEL (TWA) (ppm)	100 ppm
OSHA PEL (STEL) (mg/m ³)	545 mg/m ³
OSHA PEL (STEL) (ppm)	125 ppm
Rosin (8050-09-7)	
Workplace Exposure Limits (UK – HSE)	TWA 0.05 mg/m ³ STEL 0.15 mg/m ³ Note 'Sk' – can be absorbed through skin.
Remark (ACGIH)	OELs not established
Silica, amorphous (7631-86-9)	
NZ Workplace Exposure Standards (New Zealand) WES	TWA 10 mg/m ³
Remark (ACGIH)	OELs not established
OSHA PEL (TWA) (ppm)	20 mppcf (80)/(% SiO ₂) mg/m ³
Silica: Crystalline, quartz (14808-60-7)	
NZ Workplace Exposure Standards (New Zealand) WES	TWA 0.05 mg/m ³ (respirable dust) Note: 'Carcinogen category 1; -quartz and cristobalite are confirmed carcinogens'
ACGIH TWA (mg/m ³)	0.025 mg/m ³ (respirable fraction)
OSHA PEL (TWA) (mg/m ³)	(10)/(%SiO ₂ + 2) total dust; (10)/(%SiO ₂ + 2) respirable fraction
OSHA PEL (TWA) (ppm)	(250)/(%SiO ₂ + 5) respirable fraction
Talc (14807-96-6)	
NZ Workplace Exposure Standards (New Zealand) WES	TWA 2.0 mg/m ³ (respirable dust)
ACGIH TWA (mg/m ³)	2
ACGIH TWA (mg/m ³)	2 mg/m ³ particulate matter containing no asbestos and <1% crystalline silica, respirable fraction
OSHA PEL (TWA) (ppm)	20 mppcf if 1% Quartz or more, use Quartz limit
Zinc oxide (1314-13-2)	
NZ Workplace Exposure Standards (New Zealand) WES	TWA 2 mg/m ³ TWA 0.1 mg/m ³ (respirable dust) STEL 5 mg/m ³ STEL 0.5 mg/m ³ (respirable dust)
ACGIH TWA (mg/m ³)	2 mg/m ³ (respirable fraction)
ACGIH STEL (mg/m ³)	10 mg/m ³ (respirable fraction)
Remark (ACGIH)	Metal fume fever
OSHA PEL (TWA) (mg/m ³)	5 mg/m ³ (respirable fraction)
OSHA PEL (STEL) (mg/m ³)	10 mg/m ³ (fume)

8.2. Exposure controls

Appropriate engineering controls
Personal protective equipment

: Ensure adequate ventilation, especially in confined areas. Handle with good industrial hygiene and safety.
: Face shield. Respiratory protection of the dependent type. Gloves. Protective goggles. Protective clothing.



Hand protection

: Use gloves chemically resistant to this material when prolonged or repeated contact could occur. Gloves should be classified under Standard EN 374 or ASTM F1296. Suggested glove materials are: Natural rubber ("latex"), Neoprene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, PVC or vinyl.

Eye protection

: Eye protection, including both chemical splash goggles and face shield, must be worn when possibility exists for eye contact due to spraying liquid or airborne particles.

Skin and body protection

: Wear long sleeves. Handle with gloves

Respiratory protection

: An approved organic vapor respirator/supplied air or self-contained breathing apparatus must be used when vapor concentration exceeds applicable exposure limits.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Colour : Dark Blue

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Odour	: Aromatic odour.
pH	: No data available
Melting point	: No data available
Freezing point	: No data available
Initial Boiling point	: No data available
Boiling Range	: No data available
Flash point	: 38°C
Flammability	: No data available
Upper/lower flammability or explosive limits	: No data available
Vapor pressure	: Not Measured
Relative vapor density at 20 °C	: Heavier than air
Relative density	: 1.92 g/ml at 25°C
Solubility	: Water: None
Partition coefficient n-octanol/water	: No data available
Auto ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Upon combustion: CO and CO₂ are formed. Reacts violently with strong oxidizers: increased risk of fire/explosion. Reacts with some acids.

10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions

Vapours may form explosive mixture with air.

10.4. Conditions to avoid

Sparks. Heat. Open flame. Extremes of temperature and direct sunlight.

10.5. Incompatible materials

Avoid contact with : Strong oxidizing agents.

10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

No toxicological data is available for the formulation. The acute toxicity of the ingredients is presented below:

Copper(I) oxide (1317-39-1)	
LD50 oral rat	470 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 inhalation rat (mg/l)	5 mg/l/4h dust
Solvent naphtha, petroleum, light aromatic (64742-95-6)	
LD50 oral rat	8400 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 5.2 mg/l/4h
LC50 inhalation rat (ppm)	3400 ppm/4h
Cumene (98-82-8)	
LD50 oral rat	1400 mg/kg
LD50 dermal rabbit	12300 µg/kg
LC50 inhalation rat (ppm)	> 3577 ppm 6 h
Benzene, 1,2,4-trimethyl- (95-63-6)	
LD50 oral rat	3400 mg/kg
LD50 dermal rabbit	> 3160 mg/kg

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Copper(I) oxide (1317-39-1)	
LC50 inhalation rat (mg/l)	18 g/m ³ 4h
Xylenes (o-, m-, p- isomers) (1330-20-7)	
LD50 oral rat	3500 mg/kg
LD50 dermal rat	> 29.08 mg/kg
LC50 inhalation rat (mg/l)	29.08 mg/l/4h vapor
Ethylbenzene (100-41-4)	
LD50 oral rat	3500 mg/kg
LD50 dermal rabbit	15400 mg/kg
LC50 inhalation rat (mg/l)	17.2 mg/l/4h
Rosin (8050-09-7)	
LD50 oral rat	7600 mg/kg
LD50 dermal rabbit	> 2500 mg/kg
LC50 inhalation rat (mg/l)	1.5 mg/l/4h
Silica, amorphous (7631-86-9)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 2.2 mg/l 1h
Silica: Crystalline, quartz (14808-60-7)	
LD50 oral rat	500 mg/kg
Zinc oxide (1314-13-2)	
LD50 oral rat	> 5000 mg/kg
Zeolite (1318-02-1)	
LD50 oral rat	5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat (mg/l)	2.4 mg/l 1 h
Zinc pyrithione (13463-41-7)	
LC50 inhalation rat (mg/l)	140 mg/m ³ 4 h

Acute Toxicity - oral	: Harmful if swallowed.
Acute Toxicity – dermal	: Not Applicable,Not classified
Acute Toxicity - inhalation	: Harmful if inhaled, Cat 4
Skin damage/irritation	: Not Applicable,Not classified
Eye damage/irritation	: Causes serious eye damage, Cat 1
Respiratory or skin sensitization	: Not Applicable,Not classified
Germ cell mutagenicity	: Not Applicable,Not classified
Carcinogenicity	: Suspected of causing cancer, Cat 2
Reproductive toxicity	: Suspected of damaging fertility or the unborn child, Cat 2, May cause harm to breast fed children
Specific target organ toxicity (single exposure)	: Not Applicable,Not classified
Specific target organ toxicity (repeated exposure)	: May cause damage to organs through prolonged or repeated exposure, Cat 2
Aspiration hazard	: May be fatal if swallowed and enters airways, category 1
Chronic health effects:	: Suspected of causing cancer, Cat 2 May cause damage to organs through prolonged or repeated exposure, Cat 2

SECTION 12: Ecological information

12.1. Toxicity

No ecotoxicity data is available for the formulation. The ecotoxicity of the ingredients is presented below:

Cuprous oxide (1317-39-1)	
LC50 fishes 1	0.075 mg/l (96 h; danio rerio)
EC50 daphnia 1	0.042 mg/l (48 h; Daphnia similis)
Threshold limit algae 1	0.03 mg/l (96 h; Pseudokirchneriella subcapitata)
Zinc oxide (1314-13-2)	
LC50 fishes 1	1.10 mg/l (96 h; Oncorhynchus mykiss)
EC50 daphnia 1	0.098 mg/l (48 h; Daphnia magna)

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Zinc oxide (1314-13-2)	
Threshold limit algae 1	0.042 mg/l (72 h; Pseudokirchneriella subcapitata)

Zinc pyrrithione (13463-41-7)	
LC50 fishes 1	0.0026 mg/l (96 h; Pimephales promelas)
EC50 daphnia 1	0.0082 mg/l (48 h; Daphnia magna)
Threshold limit algae 1	0.028 mg/l (96 h; Selenastrum capricornutum)

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

No data available

12.4. Mobility in soil

No data available

12.5. Other adverse effects

PBT/vPvB assessment not available as chemical safety assessment not required/ not conducted

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

12.6 Environmental Exposure Limits (EEL):

Not applicable.

SECTION 13: Disposal considerations

13.1. Disposal methods

Treatment methods	: Do not discharge to public wastewater systems without permit of pollution control authorities. No discharge to surface waters is allowed without a permit.
Disposal recommendations	: Refer to Waste Management Authority. Crush and dispose of empty containers in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment.

SECTION 14: Transport information

14.1. Road and Rail Transport – New Zealand Transport Legislation (NZS5433)

UN number	: 1263
UN proper shipping name	: PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler, and liquid lacquer base)
Hazard Classes	: Class 3 - Flammable liquid
Packing group	: III
Hazchem Code	: •3Y

14.2. Marine Transport – International Maritime Dangerous Goods Code (IMDG Code) for transport by sea

UN Number	: 1263
UN proper shipping name	: PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler, and liquid lacquer base)
Hazard Class	: 3- Flammable liquid
Packaging Group	: III
EmS-No.(1)	: F-E
EmS-No.(2)	: S-E
Marine Pollutant	: Yes

14.3. Air Transport (IATA Code) – the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air

UN Number	: 1263
UN proper shipping name	: PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler, and liquid lacquer base)
Hazard Class	: 3- Flammable liquid
Packaging Group	: III

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

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HSNO Group Standard:	Group Standard: HSR100850 - Antifouling paint containing cuprous oxide and zinc pyrithione
HSNO Controls	See http://www.epa.govt.nz for controls
NZIoC:	All components of this product are listed on or exempt from the New Zealand Inventory of Chemicals
Approved Handler:	Not triggered
Certificate Required:	Not triggered
Tracking:	Not triggered
ACVM:	Not applicable
Montreal Protocol/ Stockholm Convention/ Rotterdam Convention:	Not applicable

SECTION 16: Other information

In any event, the review and, if necessary, the re-issue of an SDS shall be no longer than 5 years after the last date of issue.

General Information	:	None
Reason(s) for Issue:	:	First issue and general compliance with New Zealand WHS Regulations for the preparation of safety data sheets.

Key abbreviations or acronyms used:	ACGIH: American Conference of Governmental Industrial Hygienist ACVM: Agricultural Compounds and Veterinary Medicines Act 1997 AS/NZS: Standards Australia & Standards New Zealand CAS No: Chemical Abstracts Services Number CCID: Chemical Classification and Information Database EC50: Half maximal effective concentration EEL: Environmental Exposure limits EPA Environmental Protection Authority (New Zealand) GHS: Globally Harmonised System of Classification and Labelling of Chemicals HSNO: Hazardous Substances and New Organisms HSWA: Health and Safety at Work Act 2015 IARC: International Agency for Research on Cancer IATA: International Air Transport Association IMDG – The International Maritime Dangerous Goods LC50 – Half maximal lethal concentration LD50: Half maximal lethal dose LEL: Lower Explosive Limit NZ: New Zealand NZIoC: New Zealand Inventory of Chemicals NZS 5433 New Zealand Standard Transport of Dangerous Goods on Land OEL – Occupational Exposure Limit OSHA: Occupational Safety and Health Administration SDS – Safety Data Sheet STEL: Short Term Exposure Limit TEL: Tolerable Exposure limits TLV: Threshold Limit Value TWA: Time Weighted Average PEL: Permissible exposure limit UEL: Upper Explosive Limit WES: Workplace Exposure Standard
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The information on this Data Sheet represents our current data and best opinion as to the proper use in handling of this material under normal conditions. Any use of the material which is not in conformance with this Data Sheet or which involves using this material in combination with any other material or any other process is the responsibility of the user. All materials present unknown health hazards and should be used with caution. Although certain hazards are described herein, the manufacturer and its agents cannot guarantee that these are the only hazards which exist. Further, the manufacturer and its agents assume no responsibility for personal injury or property damage to vendors, users, or third-parties caused by this material. User assumes all risks associated with the use of this material. No warranty, express or implied, is made and New Nautical Coatings, Inc assumes no liability resulting from the use of this SDS. The user must determine suitability of this information for his application.