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SPINNAKER STANDARD YACHT VARNISH

*SECTION 1 Identification of the substance/preparation and of the company/undertaking

· 1.1 Product identifier
· Trade name: SPINNAKER STANDARD YACHT VARNISH
UFI: SM00-G081-C00H-90K9

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

· Product category PC9a Coatings and paints, thinners, paint removers
· Process category PROC10 Roller application or brushing
· Environmental release category
ERC10a Wide dispersive outdoor use of long-life articles and materials with low release
ERC2 Formulation of preparations
· Application of the substance / the mixture
See our technical datasheet for application of this product.

· 1.3 Details of the supplier of the safety data sheet

· Manufacturer/Supplier:
Cecchi Gustavo & C. srl - Via M. Coppino 253, 55049 Viareggio (LU) ITALY www.cecchi.it - info@cecchi.it

· 1.4 Emergency telephone number:

: +39 0584/383694 - info@cecchi.it
From monday to friday office hours 8:30 – 12:30, 14:00 – 18:30

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SECTION 2: Hazards identification

· 2.1 Classification of the substance or mixture
· Classification according to Regulation (EC) No 1272/2008

flame

Flam. Liq. 3 H226 Flammable liquid and vapour.

Skin Sens. 1 H317 May cause an allergic skin reaction.
STOT SE 3 H336 May cause drowsiness or dizziness.

(Contd. on page 2)

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

· 2.2 Label elements
· Labelling according to Regulation (EC) No 1272/2008
The product is classified and labelled according to the CLP regulation.
· Hazard pictograms

GHS02 GHS07

· Signal word Warning

· Hazard-determining components of labelling:
Hydrocarbons, C9-C11, n-alkanes, iso-alkanes, cyclic, < 2% aromatics. (Note-P)
cobalt bis(2-ethylhexanoate)
· Hazard statements
H226 Flammable liquid and vapour.
H317 May cause an allergic skin reaction.
H336 May cause drowsiness or dizziness.
H412 Harmful to aquatic life with long lasting effects.
· Precautionary statements

P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P501	Dispose of contents/container in accordance with local/regional/ national/international regulations.

· Additional information:
EUH066 Repeated exposure may cause skin dryness or cracking.
Contains cobalt carboxylate, can cause an allergic reaction.
· 2.3 Other hazards
· Results of PBT and vPvB assessment
· PBT: Not applicable.
· vPvB: Not applicable.

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SECTION 3: Composition/information on ingredients

· 3.2 Mixtures
· Description: Mixture of substances listed below with nonhazardous additions.

(Contd. on page 3)

· **Dangerous components:**		
CAS: 64742-48-9 EC number: 919-857-5 Index number: 649-327-00-6 Reg.nr.: 01-2119463258-33	Hydrocarbons, C9-C11, n-alkanes, iso-alkanes, cyclic, < 2% aromatics. (Note-P) Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H336	25-50%
CAS: 34590-94-8 EINECS: 252-104-2 Reg.nr.: 01-2119450011-60	Dipropylene glycol monomethyl ether substance with a Community workplace exposure limit	≤2.5%
CAS: 22464-99-9 EINECS: 245-018-1 Reg.nr.: 01-2119979088-21	Zirconium 2-ethylhexanoate Repr. 2, H361d	≤0.5%
CAS: 136-52-7 EINECS: 205-250-6 Reg.nr.: 01-2119524678-29	cobalt bis(2-ethylhexanoate) Repr. 1B, H360F Aquatic Acute 1, H400; Aquatic Chronic 1, H410 Eye Irrit. 2, H319; Skin Sens. 1A, H317	<0.3%
CAS: 98-54-4 EINECS: 202-679-0 Index number: 604-090-00-8 Reg.nr.: 01-2119489419-21	4-tert-butylphenol Repr. 2, H361f Eye Dam. 1, H318 Aquatic Chronic 1, H410 Skin Irrit. 2, H315	<0.3%
CAS: 140-66-9 EINECS: 205-426-2 Index number: 604-075-00-6 Reg.nr.: 01-2119541687-29	4-(1,1,3,3-tetramethylbutyl)phenol Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=10) Skin Irrit. 2, H315	<0.3%

· **SVHC**

98-54-4	4-tert-butylphenol
140-66-9	4-(1,1,3,3-tetramethylbutyl)phenol

· **Additional information:**
Note P: The substance does not have to be classified as a carcinogen or mutagen as can be shown that the substance contains less than 0.1% (w / w) benzene (EINECS No 200-753-7.). This note applies only to certain complex oil-derived substances in Part 3.
For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· **4.1 Description of first aid measures**
· **General information:** Immediately remove any clothing soiled by the product.
· **After inhalation:**
Supply fresh air and to be sure call for a doctor.

(Contd. on page 4)

(Contd. of page 3)

In case of unconsciousness place patient stably in side position for transportation.

· After skin contact:
Immediately wash with water and soap and rinse thoroughly.
Immediately rinse with water.

· After eye contact: Rinse opened eye for several minutes under running water.

· After swallowing: If symptoms persist consult doctor.

· 4.2 Most important symptoms and effects, both acute and delayed
No further relevant information available.

· 4.3 Indication of any immediate medical attention and special treatment needed
No further relevant information available.

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SECTION 5: Firefighting measures

· 5.1 Extinguishing media

· Suitable extinguishing agents:
CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· For safety reasons unsuitable extinguishing agents: Water with full jet

· 5.2 Special hazards arising from the substance or mixture
During heating or in case of fire poisonous gases are produced.

· 5.3 Advice for firefighters

· Protective equipment: Mouth respiratory protective device.

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SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures
Mount respiratory protective device.
Wear protective equipment. Keep unprotected persons away.

· 6.2 Environmental precautions:
Prevent seepage into sewage system, workpits and cellars.
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.

· 6.3 Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.

· 6.4 Reference to other sections
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

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SECTION 7: Handling and storage

· 7.1 Precautions for safe handling
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.

(Contd. on page 5)

(Contd. of page 4)

· **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Keep respiratory protective device available.

· **7.2 Conditions for safe storage, including any incompatibilities**
· **Storage:**
· **Requirements to be met by storerooms and receptacles: No special requirements.**
· **Information about storage in one common storage facility: Not required.**
· **Further information about storage conditions: Keep container tightly sealed.**
· **7.3 Specific end use(s) No further relevant information available.**

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SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**		
34590-94-8 Dipropylene glycol monomethyl ether		
WEL	**Long-term value: 308 mg/m³, 50 ppm** **Sk**	
136-52-7 cobalt bis(2-ethylhexanoate)		
WEL	**Long-term value: 0.1 mg/m³** **as Co; Carc, Sen**	
34590-94-8 Dipropylene glycol monomethyl ether		
WEL	**Long-term value: 308 mg/m³, 50 ppm** **Sk**	
136-52-7 cobalt bis(2-ethylhexanoate)		
WEL	**Long-term value: 0.1 mg/m³** **as Co; Carc, Sen**	

· **Regulatory information WEL: EH40/2020**
· **Additional information: The lists valid during the making were used as basis.**

· **8.2 Exposure controls**
· **Appropriate engineering controls No further data; see item 7.**
· **Individual protection measures, such as personal protective equipment**
· **General protective and hygienic measures:**
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
· **Respiratory protection:**
Not necessarily with good ventilation, however, use a filter AX when ventilation is inadequate!
· **Hand protection**
Use gloves of stable material (e.g. Nitrile) - if necessary tricoted to improve the wearability.

Protective gloves

(Contd. on page 6)

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· Material of gloves
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· Penetration time of glove material
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

· For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:
Butyl rubber, BR

· As protection from splashes gloves made of the following materials are suitable:
Cloropene; handglove thickness >0.7mm, penetration time >60min. according EN374.
Nitrilrubber; handglove thickness >0.3mm, penetration time >60min. according EN374.

· Eye/face protection

Tightly sealed goggles

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SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties
· General Information

· Physical state	Fluid
· Colour:	According to product specification
· Odour:	Characteristic
· Odour threshold:	Not determined.
· Melting point/freezing point:	Undetermined.
· Boiling point or initial boiling point and boiling range	150 °C
· Flammability	Not applicable.
· Lower and upper explosion limit	
· Lower:	Not determined.
· Upper:	Not determined.
· Flash point:	36 °C
· Auto-ignition temperature:	Product is not selfigniting.
· Decomposition temperature:	Not determined.
· pH at 20 °C	7

(Contd. on page 7)

· **Viscosity:**	
· **Kinematic viscosity at 20 °C**	**50 s (ISO 4 mm)**
· **Dynamic:**	**Not determined.**
· **Solubility**	
· **water:**	**Not miscible or difficult to mix.**
· **Partition coefficient n-octanol/water (log value)**	**Not determined.**
· **Vapour pressure:**	**Not determined.**
· **Density and/or relative density**	
· **Density at 20 °C:**	**0.91311 g/cm³**
· **Relative density**	**Not determined.**
· **Vapour density**	**Not determined.**

· **9.2 Other information**	
· **Appearance:**	
· **Form:**	**Fluid**
· **Important information on protection of health and environment, and on safety.**	
· **Ignition temperature:**	**205 °C**
· **Explosive properties:**	**Product is not explosive. However, formation of explosive air/vapour mixtures are possible.**
· **Solvent content:**	
· **Organic solvents:**	**42.3 %**
· **VOC content:**	**42.26 %** **VOC content:** **385.8 g/l / 3.22 lb/gal**
· **Solids content:**	**57.4 %**
· **Change in condition**	
· **Evaporation rate**	**Not determined.**

· **Information with regard to physical hazard classes**	
· **Explosives**	**Void**
· **Flammable gases**	**Void**
· **Aerosols**	**Void**
· **Oxidising gases**	**Void**
· **Gases under pressure**	**Void**
· **Flammable liquids**	**Flammable liquid and vapour.**
· **Flammable solids**	**Void**
· **Self-reactive substances and mixtures**	**Void**
· **Pyrophoric liquids**	**Void**
· **Pyrophoric solids**	**Void**
· **Self-heating substances and mixtures**	**Void**
· **Substances and mixtures, which emit flammable gases in contact with water**	**Void**
· **Oxidising liquids**	**Void**
· **Oxidising solids**	**Void**
· **Organic peroxides**	**Void**
· **Corrosive to metals**	**Void**

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· **Desensitised explosives**	**Void**

SECTION 10: Stability and reactivity

· **10.1 Reactivity No further relevant information available.**
· **10.2 Chemical stability**
· **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
· **10.3 Possibility of hazardous reactions No dangerous reactions known.**
· **10.4 Conditions to avoid No further relevant information available.**
· **10.5 Incompatible materials: No further relevant information available.**
· **10.6 Hazardous decomposition products:**
No dangerous decomposition products known.

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SECTION 11: Toxicological information

· **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
· **Acute toxicity**

· **LD/LC50 values relevant for classification:**		
34590-94-8 Dipropylene glycol monomethyl ether		
Oral	**LD50**	**5,135 mg/kg bw (rat)**
Dermal	**LD50**	**>19,000 mg/kg bw (rab)**
136-52-7 cobalt bis(2-ethylhexanoate)		
Oral	**LD50**	**>5,000 mg/kg (rat)**
Dermal	**LD50 (Konijn)**	**5,000 mg/kg (rabbit)**
98-54-4 4-tert-butylphenol		
Oral	**LD50**	**2,951 mg/kg bw (rat)**
Dermal	**LD50**	**2,288 mg/kg bw (rabbit)**
140-66-9 4-(1,1,3,3-tetramethylbutyl)phenol		
Oral	**LD50**	**3,210 mg/kg bw (mouse)**

· **Respiratory or skin sensitisation May cause an allergic skin reaction.**
· **STOT-single exposure May cause drowsiness or dizziness.**
· **11.2 Information on other hazards**

· **Endocrine disrupting properties**		
98-54-4	**4-tert-butylphenol**	**List I; II**
140-66-9	**4-(1,1,3,3-tetramethylbutyl)phenol**	**List I**

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SECTION 12: Ecological information

· **12.1 Toxicity**

· **Aquatic toxicity:**	
136-52-7 cobalt bis(2-ethylhexanoate)	
LC50	**0.1-1 mg/l (Fish Acute Toxicity Study)**

(Contd. on page 9)

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EC50	0.1-1 mg/l (daphnia magna)
EC50	0.1-1 mg/l (Algae, Growth inhibition test)

· 12.2 Persistence and degradability No further relevant information available.
· 12.3 Bioaccumulative potential No further relevant information available.
· 12.4 Mobility in soil No further relevant information available.
· 12.5 Results of PBT and vPvB assessment
· PBT: Not applicable.
· vPvB: Not applicable.
· 12.6 Endocrine disrupting properties
For information on endocrine disrupting properties see section 11.
· 12.7 Other adverse effects
· Remark: Harmful to fish
· Additional ecological information:
· General notes:
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Harmful to aquatic organisms

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SECTION 13: Disposal considerations

· 13.1 Waste treatment methods
· Recommendation
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· Uncleaned packaging:
· Recommendation: Disposal must be made according to official regulations.

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SECTION 14: Transport information

· 14.1 UN number or ID number
· ADR, IMDG, IATA UN1263

· 14.2 UN proper shipping name
· ADR 1263 PAINT
· IMDG, IATA PAINT

· 14.3 Transport hazard class(es)

· ADR

· Class 3 (F1) Flammable liquids.

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· **Label**	3
· **IMDG, IATA**	
	
· **Class**	3 Flammable liquids.
· **Label**	3
· **14.4 Packing group**	
· **ADR, IMDG, IATA**	III
· **14.5 Environmental hazards:**	
· **Marine pollutant:**	No
· **14.6 Special precautions for user**	Warning: Flammable liquids.
· **Hazard identification number (Kemler code):**	30
· **EMS Number:**	F-E,S-E
· **Stowage Category**	A
· **14.7 Maritime transport in bulk according to IMO instruments**	Not applicable.
· **Transport/Additional information:**	
· **ADR**	
· **Limited quantities (LQ)**	5L
· **Excepted quantities (EQ)**	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· **Transport category**	3
· **Tunnel restriction code**	D/E
· **Remarks:**	Packaging <450L: exemption viscous substances according to 2.2.3.1.5
· **IMDG**	
· **Limited quantities (LQ)**	5L
· **Excepted quantities (EQ)**	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· **Remarks:**	≤ 30 l: -
· **UN "Model Regulation":**	UN 1263 PAINT, 3, III

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SECTION 15: Regulatory information

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

· **Directive 2012/18/EU**
· **Named dangerous substances - ANNEX I None of the ingredients is listed.**
· **Seveso category P5c FLAMMABLE LIQUIDS**
· **Qualifying quantity (tonnes) for the application of lower-tier requirements**
5,000 t
· **Qualifying quantity (tonnes) for the application of upper-tier requirements**
50,000 t

· **National regulations:**

· **Technical instructions (air):**

Class	Share in %
NK	25-50

· **Waterhazard class:**
Water hazard class 1 (Self-assessment): slightly hazardous for water.

· **Other regulations, limitations and prohibitive regulations**

· Substances of very high concern (SVHC) according to REACH, Article 57	
98-54-4	4-tert-butylphenol
140-66-9	4-(1,1,3,3-tetramethylbutyl)phenol

· **15.2 Chemical safety assessment:**
A Chemical Safety Assessment has not been carried out.

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SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**
H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H360F May damage fertility.
H361d Suspected of damaging the unborn child.
H361f Suspected of damaging fertility.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
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· **Abbreviations and acronyms:**
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

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ICAO: International Civil Aviation Organisation
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
Flam. Liq. 3: Flammable liquids – Category 3
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Skin Sens. 1: Skin sensitisation – Category 1
Skin Sens. 1A: Skin sensitisation – Category 1A
Repr. 1B: Reproductive toxicity – Category 1B
Repr. 2: Reproductive toxicity – Category 2
Repr. 2: Reproductive toxicity – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
Asp. Tox. 1: Aspiration hazard – Category 1
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

· * Data compared to the previous version altered.