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SPINNAKER EGGSHELL YACHT VARNISH

*** SECTION 1 Identification of the substance/preparation and of the company/undertaking**
· 1.1 Product identifier
· Trade name: SPINNAKER EGGSHELL YACHT VARNISH

· 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 ERC2 Formulation of preparations
· Application of the substance / the mixture
See our technical datasheet for application of this product.
Satin varnish alternative

· 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

*** SECTION 2: Hazards identification**
· 2.1 Classification of the substance or mixture
· Classification according to Regulation (EC) No 1272/2008
Flam. Liq. 3 H226 Flammable liquid and vapour.
· Classification according to Directive 67/548/EEC or Directive 1999/45/EC
R10-66: Flammable. Repeated exposure may cause skin dryness or cracking.
· Information concerning particular hazards for human and environment:
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.
· Classification system:
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
· 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

· Signal word Warning
· Hazard statements
H226 Flammable liquid and vapour.
· Precautionary statements
P102 Keep out of reach of children.
P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
P261 Avoid breathing 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.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/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 2-butanone oxime, cobalt bis(2-ethylhexanoate). May cause an allergic reaction.
· 2.3 Other hazards
· Results of PBT and vPvB assessment
· PBT: Not applicable.
· vPvB: Not applicable.

*** SECTION 3: Composition/information on ingredients**
· 3.2 Chemical characterisation: Mixtures
· Description:
Resin mixture
Solvent mixture with additives
Mixture of synthetic binders, matting agent, additives
and organic solvents
Mixture of synthetic binders, matting agent, additives and organic solvents

· Dangerous components:		
CAS: 64742-48-9 EINECS: 265-150-3 Reg.nr.: 01-2119463258-33	naphta (petroleum), hydrotreated heavy Xn R65 R10-66 Flam. Liq. 3, H226 Asp. Tox. 1, H304	25-50%
CAS: 107-98-2 EINECS: 203-539-1 Index number: 603-064-00-3 Reg.nr.: 01-2119457435	1-methoxy-2-propanol R10 Flam. Liq. 3, H226	<= 2.5%
CAS: 64742-95-6 EINECS: 265-199-0 Reg.nr.: 01-2119486773-24	petroleum, nafta, licht aromatisch Xn R65 Xi R37 N R51/53 R10-66-67 Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 STOT SE 3, H335-H336	<=1%
CAS: 96-29-7 EINECS: 202-496-6 Index number: 616-014-00-0 Reg.nr.: 01-2119539477-28	2-butanone oxime Xn R21-40 Xi R41 Xi R43 Carc. Cat. 3 Carc. 2, H351 Eye Dam. 1, H318 Acute Tox. 4, H312; Skin Sens. 1, H317	<=0.5%
CAS: 127519-17-9 ELINCS: 407-000-3 Index number: 607-281-00-4 Reg.nr.: 01-0000015648-61	A mixture of branched and linear C7-C9 alkyl 3-[3-(2H-benzotriazol-2-yl)-5-(1,1- dimethyl-ethyl)-4-hydroxyphenyl] propionates N R51/53 Aquatic Chronic 2, H411	<=0.5%
CAS: 95-63-6 EINECS: 202-436-9 Index number: 601-043-00-3 Reg.nr.: 01-2119472135-42	1,2,4-trimethylbenzene Xn R20 Xi R36/37/38 N R51/53 R10 Flam. Liq. 3, H226	<=0.5%

	Aquatic Chronic 2, H411 Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	
CAS: 136-52-7 EINECS: 205-250-6 Reg.nr.: 01-2119524678-29	cobalt bis(2-ethylhexanoate) Xn R62 Xi R43 N R50/53 Repr. 2, H361 Aquatic Acute 1, H400; Aquatic Chronic 1, H410 Skin Sens. 1, H317	<= 0.5%

· Additional information:
For the wording of the listed risk phrases refer to section 16.

*** SECTION 4: First aid measures**
· 4.1 Description of first aid measures
· After inhalation: Supply fresh air; consult doctor in case of complaints.
· After skin contact: Generally the product does not irritate the skin.
· 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.

*** 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
No further relevant information available.
· 5.3 Advice for firefighters
· Protective equipment: No special measures required.

*** SECTION 6: Accidental release measures**
· 6.1 Personal precautions, protective equipment and emergency procedures
Ensure adequate ventilation
Wear protective equipment. Keep unprotected persons away.
· 6.2 Environmental precautions:
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).
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.

*** SECTION 7: Handling and storage**
· 7.1 Precautions for safe handling
Keep away from heat and direct sunlight.
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.

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

· 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.

*** SECTION 8: Exposure controls/personal protection**
· Additional information about design of technical facilities:
No further data; see item 7.

· 8.1 Control parameters
· Ingredients with limit values that require monitoring at the workplace:

107-98-2 1-methoxy-2-propanol		
Inhalative	(Tgg)time weighted average 15 min. / Exposure time	563 mg/m3 (Algemene bevolking/ General population)
	(Tgg)time weighted average 8 hours / Exposure time	375 mg/m3 (Algemene bevolking/ General population)
107-98-2 1-methoxy-2-propanol		
WEL	Short-term value: 560 mg/m3, 150 ppm Long-term value: 375 mg/m3, 100 ppm Sk	
· DNELs		
64742-48-9 naphta (petroleum), hydrotreated heavy		
Dermal	Long-term - systemic effects, worker	300 mg/kg bw/day (Werker/ Worker)
Inhalative	Long-term - systemic effects, worker	1500 mg/m3 (Werker/Worker)
96-29-7 2-butanone oxime		
Inhalative	Acute - systemic effects, worker	320-1000 mg/m3 (Fish Acute Toxicity Study)

· Additional information: The lists valid during the making were used as basis.

· 8.2 Exposure controls
· Personal protective equipment:
· General protective and hygienic measures:
Wash hands before breaks and at the end of work.
Do not inhale gases / fumes / aerosols.
· Respiratory protection:
Suitable respiratory protective device recommended.

Filter A/P2
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
· Protection of hands:
Protective gloves
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
Nitrilrubber; handglove thickness >0.45mm, penetrationtime >480min. according EN374.
PVA, Fluorised rubber; handglove thickness >0.45mm, penetrationtime >480min. according EN347.
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
· 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 protection:
Tightly sealed goggles

*** SECTION 9: Physical and chemical properties**
· 9.1 Information on basic physical and chemical properties
· General Information
· Appearance:

Form:	Fluid
Colour:	According to product specification
· Odour:	Characteristic
· Odour threshold:	Not determined.
· pH-value:	Not determined.
· Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	150 °C
· Flash point:	> 42 °C
· Flammability (solid, gaseous):	Not applicable.
· Ignition temperature:	240.0 °C
· Decomposition temperature:	Not determined.
· Self-igniting:	Product is not selfigniting.
· Danger of explosion:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· Explosion limits:	
Lower:	0.6 Vol %
Upper:	7.0 Vol %
· Vapour pressure at 20 °C:	1.0 hPa
· Density at 20 °C:	0.92854 g/cm3
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with water:	Not miscible or difficult to mix.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic:	Not determined.

Kinematic at 20 °C:	35 s (ISO 6 mm)
· Solvent content:	
Organic solvents:	51.0 %
VOC content:	51.0 % VOC content: 473.6 g/l / 3.95 lb/gl
Solids content:	51.9 % (SC % 1h150 C)
· 9.2 Other information	No further relevant information available.

*** SECTION 10: Stability and reactivity**
· 10.1 Reactivity
· 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.

*** SECTION 11: Toxicological information**
· 11.1 Information on toxicological effects
· Acute toxicity:
· LD/LC50 values relevant for classification:

64742-48-9 naphta (petroleum), hydrotreated heavy		
Oral	LD50	>5000 mg/kg bw (rat)
Dermal	LD50	>5000 mg/kg bw (rabbit) ((24h))
Inhalative	LD50	>5000 mg/m3 (vapour) (rat) ((8h))
107-98-2 1-methoxy-2-propanol		
Oral	LD50	5660 mg/kg bw (rat)
Dermal	LD50	13000 mg/kg bw (rabbit)
Inhalative	LC50/4 h	6 mg/l (rat)
64742-95-6 petroleum, nafta, licht aromatisch		
Oral	LD50	3592 mg/kg (rat)
Dermal	LD50 (Konijn)	3160 mg/kg (rabbit)
Inhalative	LC50 (rat)	>6193 mg/m3 (rat)
96-29-7 2-butanone oxime		
Oral	LD50	3700 mg/kg bw (rat)
Dermal	LD50	200-2000 mg/kg bw (rat)
Inhalative	LC50/4 h	20 mg/l (rat)
95-63-6 1,2,4-trimethylbenzene		
Oral	LD50	5000 mg/kg bw (rat)
136-52-7 cobalt bis(2-ethylhexanoate)		
Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50 (Konijn)	5000 mg/kg (rabbit)

· Primary irritant effect:
· on the skin: No irritant effect.
· on the eye: No irritating effect.
· Sensitisation: No sensitising effects known.

*** SECTION 12: Ecological information**
· 12.1 Toxicity

· Aquatic toxicity:	
64742-48-9 naphta (petroleum), hydrotreated heavy	
EL50 (48h)	>1000 mg/l ((Daphnia magna-OECD 202))
EbL50 (72h)	>1000 mg/l (Pseudokirchneriella subcapitata-OECD 201)
ErL (72h)	>1000 mg/l (Pseudokirchneriella subcapitata-OECD 201)

LL50 (96h)	>1000 mg/l ((Onorhynchus mykiss OECD 203))
NOELR (72h)	3 mg/l ((Pseudo. subcapitata-biomass-OECD 201)) 100 mg/l ((Pseudo. subcap. growth rate OECD 201))
96-29-7 2-butanone oxime	
EC50	630 mg/l (other waterspecies 1) (BACTERIA; TOXICITEITSTEST)
EC50 (48 hours)	500 mg/l (daphnia magna) 750 mg/l (Daphnia similis Acute Toxicity Study) (DAPHNIA MAGNA)
EC50 (72 hours)	83 mg/l (other waterspecies 2) (SCENEDESMUS SUBSPICATUS)
LC50 (48 hours)	750 mg/l (other waterspecies 1)
LC50 (96 hours)	320-1000 mg/l (fish 1) (LEUCISCUS IDUS; STATISCH SYSTEM) 48 mg/l (fish 2) (LEPOSMIS MACEOCHIRUS; STATISCH SYSTEM)
136-52-7 cobalt bis(2-ethylhexanoate)	
EC50	0.1-1 mg/l (Algae, Growth inhibition test) 0.1-1 mg/l (daphnia magna)
LC50	0.1-1 mg/l (Fish Acute Toxicity Study)

· 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.
· 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.

· 12.5 Results of PBT and vPvB assessment
· PBT: Not applicable.
· vPvB: Not applicable.

· 12.6 Other adverse effects No further relevant information available.

*** 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.
· European waste catalogue

08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 01 00	wastes from MFSU and removal of paint and varnish
08 01 11*	waste paint and varnish containing organic solvents or other dangerous substances

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

*** SECTION 14: Transport information**
· 14.1 UN-Number
· ADR, IMDG, IATA UN1263

· 14.2 UN proper shipping name
· ADR 1263 PAINT (not viscous)

· IMDG, IATA PAINT

· 14.3 Transport hazard class(es)
· ADR
· Class 3 (F1) Flammable liquids.
· 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.
· Danger code (Kemler): 30
· EMS Number: F-E,S-E
· 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
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
· 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
· UN "Model Regulation": UN1263, PAINT (not viscous), 3, III

*** SECTION 15: Regulatory information**
· 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
· National regulations:
· Technical instructions (air):

Class	Share in %
I	<= 0.5
NK	50-100

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

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

*** 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.
H312 Harmful in contact with skin.

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H351 Suspected of causing cancer.
H361 Suspected of damaging fertility or the unborn child.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.
R10 Flammable.
R20 Harmful by inhalation.
R21 Harmful in contact with skin.
R36/37/38 Irritating to eyes, respiratory system and skin.
R37 Irritating to respiratory system.
R40 Limited evidence of a carcinogenic effect.
R41 Risk of serious damage to eyes.
R43 May cause sensitisation by skin contact.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R62 Possible risk of impaired fertility.
R65 Harmful: may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.
· 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)
ICAO: International Civil Aviation Organisation
ADR: Accord européen sur le transport 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)
DNEL: Derived No-Effect Level (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
Flam. Liq. 3: Flammable liquids, Hazard Category 3
Acute Tox. 4: Acute toxicity, Hazard Category 4
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1
Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
Skin Sens. 1: Sensitisation - Skin, Hazard Category 1
Carc. 2: Carcinogenicity, Hazard Category 2
Repr. 2: Reproductive toxicity, Hazard Category 2
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3
Asp. Tox. 1: Aspiration hazard, Hazard Category 1
Aquatic Acute 1: Hazardous to the aquatic environment - AcuteHazard, Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2
· * Data compared to the previous version altered.