



SPINNAKER POLYURETHANE 2 comp. A

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

· 1.1 Product identifier

Trade name: SPINNAKER POLYURETHANE 2 comp.A

UFI: SV00-00A7-9000-91AG

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

No further relevant information available.

· Application of the substance / the mixture base component of a two-component high gloss yacht varnish

· 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

TEL. +39 0584 383694 FAX +39 0584 395182

· 1.4 Emergency telephone number:

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

* 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.

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Skin Sens. 1 H317 May cause an allergic skin reaction.
STOT SE 3 H336 May cause drowsiness or dizziness.
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:
Reaction mass of bis(1,2,2,6,6-pentamethyl-4 piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate isobutyl methacrylate
2-hydroxyethyl methacrylate
methyl methacrylate
- 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:
For professional use only.
EUH066 Repeated exposure may cause skin dryness or cracking.
Contains Isobutylmethacrylate. May cause an allergic reaction.
Contains 2-Hydroxyethyl methacrylate and Methyl methacrylate. May cause an allergic reaction.

(Contd. on page 3)



- 2.3 Other hazards
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

- 3.2 Mixtures
- Description:
Resin mixture
Solvent mixture with additives

· Dangerous components:

CAS: 123-86-4 EINECS: 204-658-1 Index number: 607-025-00-1 Reg.nr.: 01-2119485493-29	n-butyl acetate ⚠ Flam. Liq. 3, H226 ⚠ STOT SE 3, H336 EUH066	10-25%
CAS: 108-65-6 EINECS: 203-603-9 Index number: 607-195-00-7 Reg.nr.: 01-2119475791-29	2-methoxy-1-methylethyl acetate ⚠ Flam. Liq. 3, H226 ⚠ STOT SE 3, H336	10-25%
CAS: 64742-95-6 EC number: 918-668-5 Reg.nr.: 01-2119455851-35	Hydrocarbons, C9, aromatics. (Note-P) ⚠ Flam. Liq. 3, H226 ⚠ Asp. Tox. 1, H304 ⚠ Aquatic Chronic 2, H411 ⚠ STOT SE 3, H336	2.5-10%
CAS: 623-84-7 EINECS: 210-817-6 Reg.nr.: 01-2119892736-20	propane-1,2-diyl diacetate ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	2.5-10%
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 ⚠ Aquatic Chronic 2, H411	≤2.5%

(Contd. on page 4)



CAS: 1065336-91-5 EC number: 915-687-0 Reg.nr.: 01-2119491304-40-0000	Reaction mass of bis(1,2,2,6,6-pentamethyl-4 piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410 ⚠ Skin Sens. 1A, H317	≤1%
CAS: 97-86-9 EINECS: 202-613-0 Index number: 607-113-00-X Reg.nr.: 01-2119488331-38	isobutyl methacrylate ⚠ Flam. Liq. 3, H226 ⚠ Skin Irrit. 2, H315; Skin Sens. 1B, H317; STOT SE 3, H335	<0.3%
CAS: 868-77-9 EINECS: 212-782-2 Index number: 607-124-00-X Reg.nr.: 01-2119490169-29	2-hydroxyethyl methacrylate ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	<0.3%
CAS: 80-62-6 EINECS: 201-297-1 Index number: 607-035-00-6 Reg.nr.: 01-2119452498-28	methyl methacrylate ⚠ Flam. Liq. 2, H225 ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317; ⚠ STOT SE 3, H335	<0.3%

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.
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: Seek medical treatment.
- 4.2 Most important symptoms and effects, both acute and delayed
No further relevant information available.

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- 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
During heating or in case of fire poisonous gases are produced.
- 5.3 Advice for firefighters
- Protective equipment:
Wear fully protective suit.
Mouth respiratory protective device.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures
Ensure adequate ventilation
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.

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.
Keep respiratory protective device available.

(Contd. on page 6)



(Contd. of page 5)

- 7.2 Conditions for safe storage, including any incompatibilities
- Storage:
- Requirements to be met by storerooms and receptacles:
Store only in the original receptacle.
- 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

· 8.1 Control parameters

- Ingredients with limit values that require monitoring at the workplace:

123-86-4 n-butyl acetate

WEL	Short-term value: 966 mg/m ³ , 200 ppm Long-term value: 724 mg/m ³ , 150 ppm
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108-65-6 2-methoxy-1-methylethyl acetate

WEL	Short-term value: 548 mg/m ³ , 100 ppm Long-term value: 274 mg/m ³ , 50 ppm Sk
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80-62-6 methyl methacrylate

WEL	Short-term value: 416 mg/m ³ , 100 ppm Long-term value: 208 mg/m ³ , 50 ppm
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123-86-4 n-butyl acetate

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- Regulatory information WEL: EH40/2020

· PNECs

623-84-7 propane-1,2-diyl diacetate

PNEC (Bodem)	0.0678 mg/kg dwt (8)
PNEC waterzuiveringsinstallatie	100 mg/l (7)
Aquatic compartment - freshwater	0.082 mg/L (freshwater)
Aquatic compartment - marine water	0.0082 mg/L (5)
Aquatic compartment - sediment in freshwater	0.579 mg/kg sed dw (3)
Aquatic compartment - sediment in marine water	0.0579 mg/kg sed dw (5)

- 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.

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- 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:
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.
Filter AX
- Hand protection

**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
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- For the permanent contact gloves made of the following materials are suitable:
PE gloves, recommended film thickness:> 0.7 mm.
For a touch of 30-120 minutes: gloves made of PVA, recommended material thickness: 0.7 mm.
- 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:
Gloves of nitrile rubber, recommended material thickness:> 0.3 mm,
neoprene or butyl rubber, recommended material thickness:> 0.4 mm.
- Eye/face protection

**Tightly sealed goggles**

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SECTION 9: Physical and chemical properties

<ul style="list-style-type: none"> · 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 146 °C · Flammability Not applicable. · Lower and upper explosion limit · Lower: 1.2 Vol % · Upper: 10.8 Vol % · Flash point: 42 °C · Auto-ignition temperature: Product is not selfigniting. · Decomposition temperature: Not determined. · pH Not determined. · Viscosity: · Kinematic viscosity at 20 °C 40 s (DIN 53211/4) · Dynamic: Not determined. · Solubility · water: Not miscible or difficult to mix. · Partition coefficient n-octanol/water (log value) Not determined. · Vapour pressure at 20 °C: 10.7 hPa · Density and/or relative density · Density at 20 °C: 1.07 g/cm³ · Relative density Not determined. · Vapour density Not determined. 	
<ul style="list-style-type: none"> · 9.2 Other information · Appearance: · Form: Fluid · Important information on protection of health and environment, and on safety. · Ignition temperature: 315 °C · Explosive properties: Product is not explosive. However, formation of explosive air/vapour mixtures are possible. · Solvent content: · Organic solvents: 33.6 % · VOC content: 33.61 % <li style="padding-left: 20px;">VOC content: 359.6 g/l / 3.00 lb/gal · Solids content: 39.3 % (VB% 1h150 C) · Change in condition · Evaporation rate Not determined. 	
<ul style="list-style-type: none"> · Information with regard to physical hazard classes · Explosives Void 	

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· 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
· 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.

* **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:

123-86-4 n-butyl acetate

Oral	LD50	13,100 mg/kg bw (rat)
Dermal	LD50	>5,000 mg/kg bw (rabbit)
Inhalative	LC50/4 h	>21 mg/l (rat)

108-65-6 2-methoxy-1-methylethyl acetate

Oral	LD50	8,532 mg/kg bw (rat)
Inhalative	LC50/4 h	35.7 mg/l (rat)

623-84-7 propane-1,2-diyl diacetate

Oral	LD50	5,000 mg/kg bw (rat)
Dermal	LD50	2,000 mg/kg bw (rab)

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**97-86-9 isobutyl methacrylate**

Oral	LD50	11,990 mg/kg bw (mouse)
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868-77-9 2-hydroxyethyl methacrylate

Oral	LD50	5,050 mg/kg bw (rat)
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80-62-6 methyl methacrylate

Oral	LD50	7,872 mg/kg bw (rat)
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- 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

None of the ingredients is listed.

SECTION 12: Ecological information

- 12.1 Toxicity

- Aquatic toxicity:

108-65-6 2-methoxy-1-methylethyl acetate

EC50	408-500 mg/l (daphnia magna) (48 uur/hour)
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IC 50	>1,000 mg/l (Algae, Growth inhibition test) (72 uur/hour)
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LC50	100-180 mg/l (Fish Acute Toxicity Study) (96 uur/hour)
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- 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
The product does not contain substances with endocrine disrupting properties.
- 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

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.

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

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.
· 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, <u>S-E</u>
· 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

(Contd. on page 12)



· 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":	UN 1263 PAINT, 3, III

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.
- 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
 - H225 Highly flammable liquid and vapour.
 - 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.
 - H319 Causes serious eye irritation.
 - H335 May cause respiratory irritation.
 - H336 May cause drowsiness or dizziness.
 - H400 Very toxic to aquatic life.

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H410 Very toxic to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects.

EUH066 Repeated exposure may cause skin dryness or cracking.

- Department issuing SDS: Research & Development.
- Contact: J.J. van Dijk, tel: +31 297 360678, email: rend@epifanes.nl
- 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 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)
 - PNEC: Predicted No-Effect Concentration (REACH)
 - LC50: Lethal concentration, 50 percent
 - LD50: Lethal dose, 50 percent
 - PBT: Persistent, Bioaccumulative and Toxic
 - vPvB: very Persistent and very Bioaccumulative
 - Flam. Liq. 2: Flammable liquids - Category 2
 - Flam. Liq. 3: Flammable liquids - Category 3
 - Skin Irrit. 2: Skin corrosion/irritation - Category 2
 - Eye Irrit. 2: Serious eye damage/eye irritation - Category 2
 - Skin Sens. 1: Skin sensitisation - Category 1
 - Skin Sens. 1A: Skin sensitisation - Category 1A
 - Skin Sens. 1B: Skin sensitisation - Category 1B
 - 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 2: Hazardous to the aquatic environment - long-term aquatic hazard - Category 2
 - Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard - Category 3
- * Data compared to the previous version altered.