

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 08.03.2017

V - 1

Revision: 08.03.2017

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

- **1.1 Product identifier**
 - **Trade name:** YACHTCARE AZUR VT
 - **1.2 Relevant identified uses of the substance or mixture and uses advised against** Not determined
 - **Application of the substance / the mixture**
 - Coating
 - Polyester resin
 - **1.3 Details of the supplier of the safety data sheet**
 - **Manufacturer/Supplier:**
 - Vosschemie GmbH
 - Esinger Steinweg 50
 - D-25436 Uetersen
 - Phone: +49 (0)4122 717 0; Fax: +49 (0)4122 717158; info@vosschemie.de
 - **Further information obtainable from:**
 - Abteilung Labor / +49 (0)4122 717 0
 - s.schaller@vosschemie.de
 - **1.4 Emergency telephone number:**
 - Giftinformationszentrum (GIZ)-Nord, Goettingen, Deutschland
 - Phone: +49 (0)551 19240
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SECTION 2: Hazards identification

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



GHS02 flame

Flam. Liq. 3 H226 Flammable liquid and vapour.

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GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

· **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 statements**

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

· **Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.

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 mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Additional information:**

Contains 60 % of components with unknown hazards to the aquatic environment.

· **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:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 25013-15-4	vinyltoluene	25-50%
EINECS: 246-562-2	Flam. Liq. 3, H226; Asp. Tox. 1, H304; Acute Tox. 4, H332;	
Reg.nr.: 01-2119622074-50	Skin Irrit. 2, H315; Eye Irrit. 2, H319	

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· **Additional information:** 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:**

Personal protection for the First Aider.

Take affected persons out of danger area and lay down.

In case of irregular breathing or respiratory arrest provide artificial respiration.

Immediately remove any clothing soiled by the product.

· After inhalation:

Remove person to fresh air and keep comfortable for breathing.

Supply fresh air or oxygen; call for doctor.

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

Call a doctor immediately.

· After skin contact:

Wash with plenty of soap and water.

Take off immediately all contaminated clothing and wash it before reuse.

If skin irritation continues, consult a doctor.

· After eye contact:

Rinse opened eye for several minutes under running water.

Remove contact lenses, if present and easy to do. Continue rinsing.

Seek medical treatment.

· After swallowing:

Do NOT induce vomiting.

Seek immediate medical advice.

Call a doctor immediately.

· **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

Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

Formation of toxic gases is possible during heating or in case of fire.

· 5.3 Advice for firefighters**· Protective equipment:**

Wear self-contained respiratory protective device.

Do not inhale explosion gases or combustion gases.

· Additional information

Cool endangered receptacles with water spray.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

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SECTION 6: Accidental release measures**· 6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

Avoid contact with the eyes and skin.

Ensure adequate ventilation

Do not inhale gases / fumes / aerosols.

Keep away from ignition sources.

· 6.2 Environmental precautions:

Do not allow to enter sewers/ surface or ground water.

Inform respective authorities in case of seepage into water course or sewage system.

· 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.

· 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 receptacles tightly sealed.

Ensure good ventilation/exhaustion at the workplace.

Avoid contact with the eyes and skin.

Do not inhale gases / fumes / aerosols.

· Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Fumes can combine with air to form an explosive mixture.

Protect against electrostatic charges.

Use explosion-proof apparatus / fittings and spark-proof tools.

Ground/bond container and receiving equipment.

· 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:

Store away from oxidising agents.

Store away from foodstuffs.

· Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.

Store receptacle in a well ventilated area.

Protect from heat and direct sunlight.

Keep ignition sources away - Do not smoke.

· Recommended storage temperature: < 25 °C**· 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.

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- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· **DNELs****25013-15-4 vinyltoluene**

Inhalative	Long-term exposure - systemic effects	37 mg/m ³ (worker)
	Long-term exposure - local effects	37 mg/m ³ (worker)

· **PNECs****25013-15-4 vinyltoluene**

PNEC aqua	0.0498 mg/l (freshwater) 0.002 mg/l (marine water)
PNEC sediment	0.684 mg/kg (freshwater) 0.0684 mg/kg (marine water)
PNEC STP	1 mg/l
PNEC soil	0.133 mg/kg (soil dw)

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

· **8.2 Exposure controls**· **Personal protective equipment:**· **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Do not eat, drink, smoke or sniff while working.

Store protective clothing separately.

Immediately remove all soiled and contaminated clothing

Wash contaminated clothing before reuse.

Wash hands before breaks and at the end of work.

Use skin protection cream for skin protection.

Avoid contact with the eyes and skin.

· **Respiratory protection:**

Use suitable respiratory protective device in case of insufficient ventilation.

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 A/P2

DIN EN 141

· **Protection of hands:**

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Check the permeability prior to each renewed use of the glove.

Preventive skin protection by use of skin-protecting agents is recommended.

· **Material of gloves**

DIN EN 374

Fluorocarbon rubber (Viton)

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Nitrile rubber, NBR

Neoprene gloves

Recommended thickness of the material: ≥ 0.7 mm

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**

Value for the permeation: Level ≤ 6 (≥ 480 min)

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Not suitable are gloves made of the following materials:**

Natural rubber, NR

Chloroprene rubber, CR

Nitrile rubber, NBR

Butyl rubber, BR

PVC gloves

- **Eye protection:**



Tightly sealed goggles

- **Body protection:** Protective work clothing

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

Form:	Fluid
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Colour:	Blue
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Odour:	Aromatic
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- **Change in condition**

Melting point/freezing point:	Undetermined.
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Initial boiling point and boiling range:	168 °C
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Flash point:	53 °C (ISO 1523)
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Ignition temperature:	489-515 °C
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Auto-ignition temperature:	Product is not selfigniting.
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Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
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- **Explosion limits:**

Lower:	1.9 Vol %
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Upper:	6.1 Vol %
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Vapour pressure at 20 °C:	2 hPa
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Density at 23 °C:	1.1 g/cm ³
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- | | |
|--|--|
| · Solubility in / Miscibility with water: | Insoluble. |
| · Partition coefficient: n-octanol/water: | Not determined |
| · Viscosity: | |
| Dynamic at 23 °C: | 180-200 cps |
| Kinematic: | Not determined |
| · 9.2 Other information | No further relevant information available. |

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No decomposition if used according to specifications.
- **10.2 Chemical stability** No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions**
Reacts with peroxides and other radical forming substances.
Exothermic polymerisation.
- **10.4 Conditions to avoid**
Protect from heat.
Avoid naked flames, sparks, other ignition sources and sunlight.
- **10.5 Incompatible materials:**
Reacts with strong oxidising agents.
Reacts with strong acids.
Reacts with various metals.
- **10.6 Hazardous decomposition products:**
Formation of toxic gases is possible during heating or in case of fire.
Carbon monoxide and carbon dioxide
Hydrocarbons

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**

Dermal	ATE	74700 mg/kg (mix) (Calculation method)
Inhalative	ATE	28 mg/l (mix) (4h / vapours ; Calculation method)

25013-15-4 vinyltoluene

Oral	LD50	3680 mg/kg (rat)
Dermal	LD50	4490 mg/kg (rabbit)
Inhalative	LC50 /4h	16.891 mg/l (rat)
	LC50 /4h	> 3535 ppm (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation**
Causes skin irritation.
- **Serious eye damage/irritation**
Causes serious eye irritation.

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· **Subacute to chronic toxicity:****25013-15-4 vinyltoluene**

Oral NOAEL (subacute) 50 mg/kg (mouse) (90d)

· **Sensitisation** No sensitising effects known.· **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**· **Carcinogenicity****25013-15-4 vinyltoluene**Inhalative NOAEL (carcinogenicity) ≥ 25 mg/m³ (mouse) (OECD 451 (ppm))· **Reproductive toxicity/Fertility** No further relevant information available.· **Reproductive toxicity/Teratogenicity****25013-15-4 vinyltoluene**

Oral LOAEL (teratogenicity) 50 mg/kg (rat) (OECD 414)

NOAEL (teratogenicity) 600 mg/kg (rat) (bw/day, OECD 414)

· **Germ cell mutagenicity** Based on available data, the classification criteria are not met.· **Carcinogenicity** Based on available data, the classification criteria are not met.· **Reproductive toxicity** Based on available data, the classification criteria are not met.· **STOT-single exposure** Based on available data, the classification criteria are not met.· **STOT-repeated exposure** Based on available data, the classification criteria are not met.· **Aspiration hazard** Based on available data, the classification criteria are not met.**SECTION 12: Ecological information**· **12.1 Toxicity**· **Aquatic toxicity:****25013-15-4 vinyltoluene**

EC50/48h 1.3 mg/l (daphnia magna)

EC50/72h 2.6 mg/l (Pseudokirchneriella subcapitata)

LC50/96h 5.2 mg/l (pimephales promelas)

NOEC 1.6 mg/l (Pseudokirchneriella subcapitata) (72h)

0.81 mg/l (daphnia magna) (48h)

2.6 mg/l (pimephales promelas) (96h)

NOEC (aqua chron.) 0.498 mg/l (daphnia magna) (21d, QSAR)

0.563 mg/l (fish) (30d, QSAR)

· **12.2 Persistence and degradability** No further relevant information available.· **12.3 Bioaccumulative potential****25013-15-4 vinyltoluene**

log Pow 3.58

log Kow 3.36

BCF 4.9 (fish)

· **Behaviour in environmental systems:**· **12.4 Mobility in soil** No further relevant information available.· **Additional ecological information:**· **General notes:**

Do not allow product to reach ground water, water course or sewage system.

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- *Danger to drinking water if even small quantities leak into the ground.*
- **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.
- **Waste disposal key:**
The waste codes given above are to be considered recommendations; because of regional and industrial sector specific features, application of different waste codes is possible.

· **European waste catalogue**

07 02 99	wastes not otherwise specified
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- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

- **14.1 UN-Number**
- **ADR, IMDG, IATA** UN1866
- **14.2 UN proper shipping name**
- **ADR** 1866 RESIN SOLUTION mixture
- **IMDG, IATA** RESIN SOLUTION mixture
- **14.3 Transport hazard class(es)**
- **ADR, IMDG, IATA**
- 
- **Class** 3 Flammable liquids.
- **Label** 3
- **14.4 Packing group**
- **ADR, IMDG, IATA** III
- **14.5 Environmental hazards:** Not applicable.
- **14.6 Special precautions for user** Warning: Flammable liquids.
- **Danger code (Kemler):** 30
- **EMS Number:** F-E, S-E
- **Stowage Category** A
- **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.

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· **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:**

ADR 2.2.3.1.5

≤ 450 l: -

· **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:**

IMDG-Code 2.3.2.5

≤ 30 l: -

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· **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3· **National regulations:**· **Information about limitation of use:**

Employment restrictions concerning juveniles must be observed.

Employment restrictions concerning pregnant and lactating women must be observed.

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

Adhere to the Ordinances on the Prohibition of Certain Chemicals.

· **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.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

· **Department issuing SDS:** Abteilung Labor· **Contact:** Frau S. Schaller

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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)

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)

DNEL: Derived No-Effect Level (REACH)

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. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Asp. Tox. 1: Aspiration hazard – Category 1

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