

SAFETY DATA SHEET HEMEL Yacht Varnish

According to regulation (EU) No. 2015/830

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

1.1. Product identifier

Product name HEMEL Yacht Varnish

Chemical name Solvent-based high gloss yacht varnish

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

Identified uses Suitable for all exterior wood except floors

Solid wood and plywood for both for inside and outside of boats above the

waterline

1.3. Details of the supplier of the safety data sheet

Supplier

Hemel Emprenye Sanayi ve Tic.A.S.

Adress: I.D.O.S.B. Vakum Cd. No:25 B-1 Ozel Parsel Tuzla/Istanbul/Turkiye

E-Mail: hakan.milli@hemel.com.tr

Tel: +90 444 98 48 Fax: +90 216 394 83 10

Contact person Hakan Milli - Deputy General Manager (Production)

1.4. Emergency telephone number

Emergency telephone +90 444 98 48

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Flam. Liq. 3 - H226

Health hazards Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Skin Sens. 1 - H317 STOT SE 3 - H336 STOT RE 1 -

H372 Asp. Tox. 1 - H304

Environmental hazards Aquatic Chronic 2 - H411

2.2. Label elements

Pictogram











Signal word

Danger

HEMEL Yacht Varnish

Hazard statements 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. H336 May cause drowsiness or dizziness.

H372 Causes damage to organs through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking.

P261 Avoid breathing vapour/ spray.
P273 Avoid release to the environment.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P302+P352 IF ON SKIN: Wash with plenty of water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove

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

P331 Do NOT induce vomiting.

P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.

P403+P235 Store in a well-ventilated place. Keep cool.

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

Contains

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics, Naphtha (petroleum), hydrotreated heavy, Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%), Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics, ethyl methyl ketoxime, α -[3-[3-(2H-Benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxo propyl]- ω -Hydroxypoly(oxo-1,2-ethanediyl) , α -[3-[3-(2H-Benzotriazol-2-yl) -5- (1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]- ω - [3-[3-(2H- benzotriazol-2-yl) - 5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropoxy] poly(oxy-1,2-ethanediyl), Decanedioic acid, bis(1,2,2,6,6-pentamethyl-4-piperidinyl) ester , 3-iodo-2-propynyl butylcarbamate, Cobalt bis(2-ethylhexanoate), Decanedioic acid,(1,2,2,6,6-pentamethyl-4-piperidinyl) methyl ester , phthalic anhydride

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <

25-40%

2% aromatics

Classification

Asp. Tox. 1 - H304

Naphtha (petroleum), hydrotreated heavy

10-20%

CAS number: 64742-48-9 EC number: 265-150-3

Classification

Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 STOT SE 3 - H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics,

10-20%

aromatics (2-25%)

CAS number: — EC number: 919-446-0

Classification

Flam. Liq. 3 - H226 STOT SE 3 - H336 STOT RE 1 - H372 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2%

1-5%

aromatics

CAS number: — EC number: 919-857-5

Classification

Flam. Liq. 3 - H226 STOT SE 3 - H336 Asp. Tox. 1 - H304

ethyl methyl ketoxime

<1%

CAS number: 96-29-7 EC number: 202-496-6

Classification

Acute Tox. 4 - H312 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Carc. 2 - H351

$\alpha\hbox{-[3-[3-(2H-Benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-}\\$

<1%

hydroxyphenyl]-1-oxo propyl]-ω-Hydroxypoly(oxo-1,2-

ethanediyl)

CAS number: 104810-48-2

Classification

Skin Sens. 1 - H317 Aquatic Chronic 2 - H411

HEMEL Yacht Varnish

<1%

<1%

 α -[3-[3-(2H-Benzotriazol-2-yl) -5- (1,1-dimethylethyl)-4-

hydroxyphenyl]-1-oxopropyl]-ω- [3-[3-(2H- benzotriazol-2-yl)-

5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropoxy]

poly(oxy-1,2-ethanediyl)

CAS number: 104810-47-1

Classification

Skin Sens. 1 - H317 Aquatic Chronic 2 - H411

4-tert-butylphenol <1%

CAS number: 98-54-4 EC number: 202-679-0

M factor (Chronic) = 1

Classification

Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Repr. 2 - H361f STOT SE 3 - H335 Aquatic Chronic 1 - H410

Decanedioic acid, bis(1,2,2,6,6-pentamethyl-4-piperidinyl)

ester

CAS number: 41556-26-7 EC number: 255-437-1

M factor (Acute) = 1 M factor (Chronic) = 1

Classification

Skin Sens. 1 - H317 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

3-iodo-2-propynyl butylcarbamate <1%

Classification

Acute Tox. 4 - H302 Acute Tox. 3 - H331 Eye Dam. 1 - H318 Skin Sens. 1 - H317 STOT RE 1 - H372 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

HEMEL Yacht Varnish

Cobalt bis(2-ethylhexanoate) <1%

CAS number: 136-52-7 EC number: 205-250-6

M factor (Acute) = 1

Classification

Eye Irrit. 2 - H319 Skin Sens. 1A - H317 Repr. 2 - H361f

Aquatic Acute 1 - H400 Aquatic Chronic 3 - H412

Zirconium 2-ethylhexanoate <1%

CAS number: 22464-99-9 EC number: 245-018-1

Classification Repr. 2 - H361d

Decanedioic acid,(1,2,2,6,6-pentamethyl-4-piperidinyl) methyl <1%

ester

Classification

Skin Sens. 1 - H317 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

4-(1,1,3,3-tetramethylbutyl)phenol

Classification

Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

phthalic anhydride <1%

CAS number: 85-44-9 EC number: 201-607-5

Classification

Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Resp. Sens. 1 - H334 Skin Sens. 1 - H317 STOT SE 3 - H335

HEMEL Yacht Varnish

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information If in doubt, get medical attention promptly. Show this Safety Data Sheet to the medical

personnel.

Inhalation Move affected person to fresh air and keep warm and at rest in a position comfortable for

breathing. Loosen tight clothing such as collar, tie or belt. Get medical attention if symptoms

are severe or persist.

Ingestion Rinse mouth thoroughly with water. If in doubt, get medical attention promptly. Do not induce

vomiting unless under the direction of medical personnel.

Skin contact Rinse with water. Take off immediately all contaminated clothing and wash it before reuse.

Get medical attention promptly if symptoms occur after washing.

Eye contact Rinse with water. Get medical attention if any discomfort continues.

Protection of first aiders First aid personnel should wear appropriate protective equipment during any rescue.

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

General information The severity of the symptoms described will vary dependent on the concentration and the

length of exposure.

Inhalation Vapours may cause headache, fatigue, dizziness and nausea. Vapours may cause

drowsiness and dizziness.

Ingestion May cause stomach pain or vomiting.

Skin contact Irritating. Redness.

Eye contact No specific symptoms known. May be slightly irritating to eyes.

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

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-

extinguishing media suitable for the surrounding fire.

Unsuitable extinguishing

media

Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards Containers can burst violently or explode when heated, due to excessive pressure build-up.

Flammable liquid and vapour. Vapours may be ignited by a spark, a hot surface or an ember. Vapours may form explosive mixtures with air. Fire-water run-off in sewers may create fire or

explosion hazard.

Hazardous combustion

products

Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours. Asphyxiating gases. Carbon dioxide (CO2). Carbon monoxide (CO). Carbon monoxide (CO).

5.3. Advice for firefighters

Protective actions during firefighting

Avoid breathing fire gases or vapours. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapours and protect men stopping the leak. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

Special protective equipment for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with skin, eyes and clothing. No action shall be taken without appropriate training or involving any personal risk. Evacuate area. Provide adequate ventilation. No smoking, sparks, flames or other sources of ignition near spillage.

6.2. Environmental precautions

Environmental precautions

Avoid discharge into drains or watercourses or onto the ground. Contain spillage with sand, earth or other suitable non-combustible material. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Clear up spills immediately and dispose of waste safely. Eliminate all ignition sources if safe to do so. No smoking, sparks, flames or other sources of ignition near spillage. Do not allow material to enter confined spaces, due to the risk of explosion. Once evaporation is complete, place paper in a suitable waste disposal container and seal securely. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Inform authorities if large amounts are involved. Large Spillages: Absorb in vermiculite, dry sand or earth and place into containers.

6.4. Reference to other sections

Reference to other sections

For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions

Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with skin, eyes and clothing. Handle all packages and containers carefully to minimise spills. Keep container tightly sealed when not in use. Avoid the formation of mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not handle until all safety precautions have been read and understood. Do not handle broken packages without protective equipment. Do not reuse empty containers.

Advice on general occupational hygiene

Wash promptly if skin becomes contaminated. Take off contaminated clothing and wash it before reuse. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep out of the reach of children. Keep away from food, drink and animal feeding stuffs. Keep

> away from oxidising materials, heat and flames. Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect

containers from damage.

Storage class Flammable liquid storage.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Protective equipment







Appropriate engineering

controls

Provide adequate ventilation. Use explosion-proof general and local exhaust ventilation. Ensure operatives are trained to minimise exposure.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. To protect hands from chemicals, gloves should comply with European Standard EN374. The breakthrough time for any glove material may be different for different glove manufacturers. When used with mixtures, the protection time of gloves cannot be accurately estimated. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. Wear protective gauntlets made of the following material: Polyvinyl chloride (PVC). Butyl rubber.

Other skin and body protection

Wear apron or protective clothing in case of contact.

Hygiene measures

Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse.

Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn.

Environmental exposure

controls

Vapour pressure

Keep container tightly sealed when not in use. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance Liquid.

Colour Colourless.

Odour Characteristic.

pΗ No information available. No information available. **Evaporation rate**

No information available.

HEMEL Yacht Varnish

Relative density 0,91 g/ml @ 20°C

Bulk density No information available.

Decomposition Temperature No information available.

Viscosity 30 Sn. (DIN6 20°C)

9.2. Other information

Volatile organic compound This product contains a maximum VOC content of 398 g/l.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stable at normal ambient temperatures and when used as recommended. Stable under the

prescribed storage conditions.

10.3. Possibility of hazardous reactions

Possibility of hazardous

reactions

The following materials may react with the product: Oxidising agents.

10.4. Conditions to avoid

Conditions to avoid Avoid heat, flames and other sources of ignition. Containers can burst violently or explode

when heated, due to excessive pressure build-up. Static electricity and formation of sparks

must be prevented.

10.5. Incompatible materials

Materials to avoid Oxidising agents. Acids - oxidising.

10.6. Hazardous decomposition products

Hazardous decomposition

Does not decompose when used and stored as recommended.

products

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - inhalation

ATE inhalation (dusts/mists 150.0

mg/l)

Skin corrosion/irritation

Skin corrosion/irritation Severe skin irritation.

Serious eye damage/irritation

Serious eye damage/irritation Based on available data the classification criteria are not met.

Respiratory sensitisation

Respiratory sensitisation Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitroBased on available data the classification criteria are not met.

HEMEL Yacht Varnish

Genotoxicity - in vivoBased on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity Based on available data the classification criteria are not met.

Reproductive toxicity

Reproductive toxicity - fertility Based on available data the classification criteria are not met.

Reproductive toxicity -

Based on available data the classification criteria are not met.

development

Specific target organ toxicity - single exposure

STOT - single exposure Not classified as a specific target organ toxicant after a single exposure.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard

Aspiration hazard Based on available data the classification criteria are not met.

Inhalation Prolonged or repeated exposure to vapours in high concentrations may cause the following

adverse effects: May cause drowsiness or dizziness. Vapours may cause drowsiness and

dizziness.

Ingestion May cause stomach pain or vomiting.

Skin contact Redness. Irritating to skin.

Eye contact May be slightly irritating to eyes. Redness. Prolonged contact may cause redness and/or

earing

Route of entry Ingestion Inhalation Skin and/or eye contact

Target organs No specific target organs known.

SECTION 12: Ecological Information

Ecotoxicity Dangerous for the environment if discharged into watercourses. The product contains a

substance which may have hazardous effects on the environment.

12.1. Toxicity

Toxicity No information available.

12.2. Persistence and degradability

Persistence and degradability The degradability of the product is not known.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

12.4. Mobility in soil

Mobility No information available.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB

This product does not contain any substances classified as PBT or vPvB.

assessment

12.6. Other adverse effects

Other adverse effects Dangerous for the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information The generation of waste should be minimised or avoided wherever possible. This material and

its container must be disposed of in a safe way. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out.

Disposal methodsDispose of waste to licensed waste disposal site in accordance with the requirements of the

local Waste Disposal Authority.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID) 1263

UN No. (IMDG) 1263

UN No. (ICAO) 1263

UN No. (ADN) 1263

UN No. (IATA)

14.2. UN proper shipping name

Proper shipping name

(ADR/RID)

PAINT

Proper shipping name (IMDG) PAINT (CONTAINS Naphtha (petroleum), hydrotreated heavy, Hydrocarbons, C9-C12, n-

alkanes, isoalkanes, cyclics, aromatics (2-25%))

Proper shipping name (ICAO) PAINT

Proper shipping name (IATA)

Proper shipping name (ADN) PAINT

14.3. Transport hazard class(es)

ADR/RID class 3

ADR/RID classification code F1

ADR/RID label 3

IMDG class 3

ICAO class/division 3

IATA class/division

IATA secondary risk

ADN class 3

Transport labels



14.4. Packing group

ADR/RID packing group III

IMDG packing group

ADN packing group

ICAO packing group

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



14.6. Special precautions for user

EmS F-E, S-E

ADR transport category 3

Emergency Action Code •3Y

Hazard Identification Number

(ADR/RID)

Tunnel restriction code (D/E)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

30

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78

and the IBC Code

SECTION 15: Regulatory information

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

National regulations EH40/2005 Workplace exposure limits.

Health and Safety at Work etc. Act 1974 (as amended).

The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment

Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].

15.2. Chemical safety assessment

SECTION 16: Other information

Revision date 31/01/2017

Revision 3.01

Supersedes date 05/10/2016

SDS number 4865

Hazard statements in full H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

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.

H331 Toxic if inhaled.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H351 Suspected of causing cancer.

H361d Suspected of damaging the unborn child if swallowed.

H361f Suspected of damaging fertility.

H361f Suspected of damaging fertility if swallowed.

H372 Causes damage to organs through prolonged or repeated exposure.

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.

H412 Harmful to aquatic life with long lasting effects.

H372 Causes damage to organs through prolonged or repeated exposure if swallowed or if inhaled.