

# SAFETY DATA SHEET



HELO YACHT

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

### 1.1 Product identifier

Product name : HELO YACHT

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

Product use : Paint.

### 1.3 Details of the supplier of the safety data sheet

Teknos Group Oy, Takkatie 3, FI-00370 HELSINKI, FINLAND. Tel. +358 9 506 091.

e-mail address of person responsible for this SDS : Prod-safe@teknos.com

### 1.4 Emergency telephone number

#### National advisory body/Poison Centre

Telephone number : In an emergency, call 112

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Product definition : Mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Flam. Liq. 3, H226

STOT SE 3, H336

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

### 2.2 Label elements

Hazard pictograms :



Signal word : Warning

Hazard statements : H226 - Flammable liquid and vapour.  
H336 - May cause drowsiness or dizziness.

#### Precautionary statements

Prevention : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P261 - Avoid breathing vapour.

Response : P304 + P312 - IF INHALED: Call a POISON CENTER or doctor if you feel unwell.

Storage : P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.

Disposal : P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

Hazardous ingredients : Contains: Naphtha (petroleum), hydrotreated heavy

## SECTION 2: Hazards identification

**Supplemental label elements** : Contains Mixture of alpha-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl) propionyl-omega-hydroxypoly(oxyethylene) and alpha-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-omega-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene) and neodecanoic acid, cobalt salt. May produce an allergic reaction.

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles**

### 2.3 Other hazards

**Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII** : This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

**Other hazards which do not result in classification** : None known.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Type
Naphtha (petroleum), hydrotreated heavy	REACH #: 01-2119463258-33 EC: 265-150-3 CAS: 64742-48-9 Index: 649-327-00-6	≥25 - <50	Flam. Liq. 3, H226 STOT SE 3, H336 Asp. Tox. 1, H304 EUH066	EUH066: C ≥ 50%	[1]
Mixture of alpha-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl) propionyl-omega-hydroxypoly(oxyethylene) and alpha-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-omega-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene)	EC: 400-830-7 Index: 607-176-00-3	<1	Skin Sens. 1, H317 Aquatic Chronic 2, H411	-	[1]
neodecanoic acid, cobalt salt	REACH #: 01-2119970733-31 EC: 248-373-0 CAS: 27253-31-2	≤0.3	Acute Tox. 4, H302 Skin Sens. 1, H317 STOT RE 1, H372 Aquatic Chronic 3, H412 <b>See Section 16 for the full text of the H statements declared above.</b>	ATE [Oral] = 500 mg/kg	[1]

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

### Type

[1] Substance classified with a health or environmental hazard

Occupational exposure limits, if available, are listed in Section 8.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

**Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.

**Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

**Skin contact** :  Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

**Ingestion** : Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

**Protection of first-aiders** :  No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

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

#### Over-exposure signs/symptoms

**Eye contact** : No specific data.

**Inhalation** : Adverse symptoms may include the following:  
nausea or vomiting  
headache  
drowsiness/fatigue  
dizziness/vertigo  
unconsciousness

**Skin contact** :  No specific data.

**Ingestion** : No specific data.

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

**Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

**Specific treatments** : No specific treatment.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

**Suitable extinguishing media** : Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.

**Unsuitable extinguishing media** : Do not use water jet.

### 5.2 Special hazards arising from the substance or mixture

**Hazards from the substance or mixture** : Flammable liquid and vapour. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.

## SECTION 5: Firefighting measures

**Hazardous combustion products** : No specific data.

### 5.3 Advice for firefighters

**Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

**For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

### 6.2 Environmental precautions

: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### 6.3 Methods and material for containment and cleaning up

**Small spill** : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

**Large spill** : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

### 6.4 Reference to other sections

: See Section 1 for emergency contact information.  
See Section 8 for information on appropriate personal protective equipment.  
See Section 13 for additional waste treatment information.

## SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### 7.1 Precautions for safe handling

**Protective measures** : Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical

## SECTION 7: Handling and storage

(ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container. Risk of self-ignition of used cleaning rags, paper wipes etc. Contaminated materials should be soaked in water and placed in a closed metal container before disposal.

### Advice on general occupational hygiene

- : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidising materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

### Seveso Directive - Reporting thresholds

#### Danger criteria

Category	Notification and MAPP threshold	Safety report threshold
P5c	5000 tonnes	50000 tonnes

### 7.3 Specific end use(s)

**Recommendations** : Not available.  
**Industrial sector specific solutions** : Not available.

## SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

### 8.1 Control parameters

#### Occupational exposure limits

Product/ingredient name	Exposure limit values
neodecanoic acid, cobalt salt	<p><b>Regulation on Limit Values - Technical Guidance Values (Austria, 12/2024) [Cobalt und seine Verbindungen (Cobalt als Cobaltmetall, Cobaltoxid und Cobalsulfid, Staub von Cobaltlegierungen), im übrigen.]</b> Absorbed through skin , Inhalation sensitisier , Skin sensitisier.</p> <p>TWA 8 hours: 0.1 mg/m<sup>3</sup> (measured as Co). Form: Inhalable fraction.</p> <p>PEAK 15 minutes: 0.4 mg/m<sup>3</sup> (measured as Co), 4 times per shift. Form: Inhalable fraction.</p> <p><b>Regulation on Limit Values - Technical Guidance Values (Austria, 12/2024) [Cobalt und seine Verbindungen (Cobalt als Cobaltmetall, Cobaltoxid und Cobalsulfid, Staub von Cobaltlegierungen). Herstellung von Cobaltpulver und Katalysatoren, Hartmetall- und Magnetherstellung.]</b> Absorbed through skin , Inhalation sensitisier , Skin sensitisier.</p> <p>TWA 8 hours: 0.5 mg/m<sup>3</sup> (measured as Co). Form: Inhalable fraction.</p> <p>PEAK 15 minutes: 2 mg/m<sup>3</sup> (measured as Co), 4 times per shift. Form: Inhalable fraction.</p> <p><b>Regulation on Limit Values - MAC (Austria, 12/2024) [Cobalt und seine Verbindungen (Cobalt als Cobaltmetall, Cobaltoxid, Cobalsulfid und Cobalsulfat, Staub von Cobaltlegierungen)]</b></p>

## SECTION 8: Exposure controls/personal protection

	Carc A2.
No exposure limit value known.  neodecanoic acid, cobalt salt	<b>Ministry of Labour and Social Policy and the Ministry of Health - Ordinance No 13/2003. (Bulgaria, 4/2024) [Cobalt and inorganic compounds]</b> Limit value 8 hours: 0.1 mg/m <sup>3</sup> (as cobalt). <b>Ordinance on the protection of workers from exposure to hazardous chemicals at work, exposure limit values (Annex I) (Croatia, 12/2023) [kobalt i spojevi]</b> Skin sensitiser , Inhalation sensitiser. ELV 8 hours: 0.1 mg/m <sup>3</sup> (as Co).
No exposure limit value known.  neodecanoic acid, cobalt salt	<b>Government regulation of Czech Republic PEL/NPK-P (Czech Republic, 12/2023) [kobalt a jeho sloučeniny]</b> Carc, Repr. Sensitiser. TWA 8 hours: 0.05 mg/m <sup>3</sup> (as Co). Form: aerosol, inhalable fraction.. STEL 15 minutes: 0.1 mg/m <sup>3</sup> (as Co). Form: aerosol, inhalable fraction..
neodecanoic acid, cobalt salt	<b>Working Environment Authority (Denmark, 12/2024) [uorganiske cobaltforbindelser]</b> K. TWA 8 hours: 0.01 mg/m <sup>3</sup> (calculated as Co).
neodecanoic acid, cobalt salt	<b>Occupational exposure limits, Regulation No. 293 (Estonia, 4/2024) [koobalt ja anorgaanilised ühendid]</b> Sensitiser. TWA 8 hours: 0.05 mg/m <sup>3</sup> (calculated as Co).
No exposure limit value known.  Naphtha (petroleum), hydrotreated heavy	<b>Institute of Occupational Health, Ministry of Social Affairs (Finland, 10/2020)</b> TWA 8 hours: 500 mg/m <sup>3</sup> . <b>Institute of Occupational Health, Ministry of Social Affairs (Finland, 10/2021) [Koboltti ja sen epäorgaaniset yhdisteet]</b> TWA 8 hours: 0.02 mg/m <sup>3</sup> (calculated as Co).
neodecanoic acid, cobalt salt	<b>DFG MAC-values list (Germany, 7/2024) Develop D.</b> TWA 8 hours: 50 ppm. TWA 8 hours: 300 mg/m <sup>3</sup> . PEAK 15 minutes: 100 ppm 4 times per shift [Interval: 1 hour]. PEAK 15 minutes: 600 mg/m <sup>3</sup> 4 times per shift [Interval: 1 hour].
No exposure limit value known.  Naphtha (petroleum), hydrotreated heavy	<b>DFG MAC-values list (Germany, 7/2024) [Cobalt and cobalt compounds]</b> Carc 2, Muta 3A. Absorbed through skin , Inhalation sensitiser , Skin sensitiser.
neodecanoic acid, cobalt salt	<b>Presidential Decree 307/1986: Occupational exposure limit values (Greece, 8/2024) [κοβαλτίου ενώσεις]</b> TWA 8 hours: 0.1 mg/m <sup>3</sup> (as Co).
neodecanoic acid, cobalt salt	<b>5/2020. (II. 6.) ITM Decree (Hungary, 1/2025) [KOBALT ÉS SZERVETLEN VEGYÜLETEI]</b> Sensitiser. TWA 8 hours: 0.02 mg/m <sup>3</sup> (as Co).
neodecanoic acid, cobalt salt	<b>Ministry of Welfare, List of Exposure Limits (Iceland, 11/2024) [Kóbalt og ólifræn sambönd]</b> Sensitiser. TWA 8 hours: 0.02 mg/m <sup>3</sup> (as Co). Form: Dust and fumes.
neodecanoic acid, cobalt salt	<b>NAOSH (Ireland, 4/2024) [cobalt &amp; cobalt compounds]</b> Carc 1B, Repr 1B. Sensitiser. Notes: Advisory Occupational Exposure Limit Values (OELVs) OELV 8 hours: 0.02 mg/m <sup>3</sup> (as Co).
No exposure limit value known.	
No exposure limit value known.	

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neodecanoic acid, cobalt salt	Lithuanian Hygiene Standard HN 23 (Lithuania, 1/2024) [kobaltas ir jo neorganinai junginiai] Carc, Muta. Sensitiser. TWA 8 hours: 0.05 mg/m <sup>3</sup> (as Co).
No exposure limit value known.	
No exposure limit value known.	
No exposure limit value known.	
neodecanoic acid, cobalt salt	FOR-2011-12-06-1358 (Norway, 5/2024) [uorganiske koboltforbindelser (unntatt Co(II))] Repr. Sensitiser. TWA 8 hours: 0.02 mg/m <sup>3</sup> (calculated as Co).
Naphtha (petroleum), hydrotreated heavy	Regulation of the Minister of Family, Labor and Social Policy of June 12, 2018 on the maximum permissible concentrations and intensities of factors harmful to health in the work environment (Journal of Laws of 2018, item 1286) (Poland, 7/2024) [benzin to varnish] TWA 8 hours: 300 mg/m <sup>3</sup> . STEL 15 minutes: 900 mg/m <sup>3</sup> .
neodecanoic acid, cobalt salt	Regulation of the Minister of Family, Labor and Social Policy of June 12, 2018 on the maximum permissible concentrations and intensities of factors harmful to health in the work environment (Journal of Laws of 2018, item 1286) (Poland, 7/2024) [cobalt and its inorganic compounds] TWA 8 hours: 0.02 mg/m <sup>3</sup> (calculated as Co).
neodecanoic acid, cobalt salt	Portuguese Institute of Quality (Portugal, 11/2014) [cobalto, compostos inorgânicos] A3. TWA 8 hours: 0.02 mg/m <sup>3</sup> (expressed as Co).
neodecanoic acid, cobalt salt	Portuguese Institute of Quality (Portugal, 11/2014) [cobalto e compostos inorgânicos] A3. TWA 8 hours: 0.02 mg/m <sup>3</sup> (expressed as Co).
No exposure limit value known.	
neodecanoic acid, cobalt salt	Government regulation SR c. 355/2006 (Slovakia, 6/2024) [kobalt a jeho zlúčeniny] Sensitiser , Inhalation sensitiser. TWA 8 hours: 0.05 mg/m <sup>3</sup> (Cobalt and its compounds, as Co).
No exposure limit value known.	
neodecanoic acid, cobalt salt	National institute of occupational safety and health (Spain, 1/2024) [compuestos inorgánicos de cobalto excepto los expresamente indicados] Inhalation sensitiser , Skin sensitiser. TWA 8 hours: 0.02 mg/m <sup>3</sup> (as Co).
Naphtha (petroleum), hydrotreated heavy	Work environment authority Regulation 2018:1 (Sweden, 9/2020) TWA 8 hours: 50 ppm. TWA 8 hours: 300 mg/m <sup>3</sup> . STEL 15 minutes: 100 ppm. STEL 15 minutes: 600 mg/m <sup>3</sup> .
neodecanoic acid, cobalt salt	Work environment authority Regulation 2018:1 (Sweden, 11/2022) [cobalt and inorganic compounds] Carc. Absorbed through skin , Sensitiser. TWA 8 hours: 0.02 mg/m <sup>3</sup> (as Co). Form: inhalable fraction.
Naphtha (petroleum), hydrotreated heavy	SUVA (Switzerland, 1/2025) STEL 15 minutes: 600 mg/m <sup>3</sup> . STEL 15 minutes: 100 ppm. TWA 8 hours: 50 ppm. TWA 8 hours: 300 mg/m <sup>3</sup> .
neodecanoic acid, cobalt salt	SUVA (Switzerland, 1/2025) [Cobalt und seine Verbindungen] Carc 1B, Muta 2, Repr 1B. Absorbed through skin , Sensitiser. TWA 8 hours: 0.05 mg/m <sup>3</sup> (calculated as Co). Form: inhalable dust and aerosol.

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neodecanoic acid, cobalt salt	<b>EH40/2005 WELs (United Kingdom (UK), 1/2020) [cobalt and cobalt compounds]</b> Carc. Inhalation sensitisier. TWA 8 hours: 0.1 mg/m <sup>3</sup> (as Co).
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### Biological exposure indices

Product/ingredient name	Exposure indices
neodecanoic acid, cobalt salt	<b>VGU BEI (Austria, 9/2020) [Cobalt oder seine Verbindungen]</b> BEI Fitness: 10 µg/l, cobalt [in urine]. Sampling time: one year.  No exposure indices known. No exposure indices known.
neodecanoic acid, cobalt salt	<b>Institute of Occupational Health, Ministry of Social Affairs (Finland, 9/2020) [Koboltti ja sen epäorgaaniset yhdisteet]</b> BEI: 130 nmol/l, cobalt [in urine]. Sampling time: at the end of each work shift work step or a week or exposure period.
neodecanoic acid, cobalt salt	<b>Biological limit values (BLV) - Labour Code / ANSES (France, 4/2023) [cobalt et composés minéraux]</b> BLV: 5 µg/g Cr, cobalt [in urine]. Sampling time: end of shift and weekend.
neodecanoic acid, cobalt salt	<b>DFG BEI-values list (Germany, 7/2024) [Cobalt and its compounds]</b> Notes: danger from percutaneous absorption (see p. 211 and p. 228). BGV: 35 µg/l, cobalt [in urine]. Sampling time: at the end of the shift, for long-term exposures after several previous shifts. BEI: 1.5 µg/l, cobalt [in urine]. Sampling time: at the end of the shift, for long-term exposures after several previous shifts.  No exposure indices known. No exposure indices known. No exposure indices known. No exposure indices known. No exposure indices known.
neodecanoic acid, cobalt salt	<b>Minister Cabinet Regulations No.325 - BEI (Latvia, 3/2024) [kobalts]</b> BEI: 130 nmol/L, cobalt [in urine]. Sampling time: at the end of the exposure or at the end of the shift. BEI: 7 µg/l, cobalt [in blood]. Sampling time: at the end of the exposure or at the end of the shift.  No exposure indices known. No exposure indices known.

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neodecanoic acid, cobalt salt	<b>HG 1218/2006, Annex 2, with subsequent modifications and additions (Romania, 3/2024) [cobalt]</b> OBLV: 1 µg/l, cobalt [in blood]. Sampling time: end of the week. OBLV: 15 µg/l, cobalt [in urine]. Sampling time: end of the week.
neodecanoic acid, cobalt salt	<b>Government regulation SR c. 355/2006 (Slovakia, 6/2024) [kobalt a jeho zlúčeniny]</b> BLV: 38.45 nmol/mmol creatinine, as cobalt [in urine]. Sampling time: no limitation. BLV: 20.03 µg/g creatinine, as cobalt [in urine]. Sampling time: no limitation. BLV: 509.8 nmol/l, as cobalt [in urine]. Sampling time: no limitation. BLV: 30 µg/l, as cobalt [in urine]. Sampling time: no limitation.
No exposure indices known.	
neodecanoic acid, cobalt salt	<b>National institute of occupational safety and health (Spain, 1/2024) [Cobalto y compuestos inorgánicos excepto óxidos]</b> VLB: 1 µg/l, cobalt [in blood]. Sampling time: end of workweek. VLB: 15 µg/l, cobalt [in urine]. Sampling time: end of workweek.
No exposure indices known.	
neodecanoic acid, cobalt salt	<b>SUVA (Switzerland, 1/2025) [Cobalt und seine Verbindungen]</b> BEI: 30 µg/l, cobalt [in urine]. Sampling time: immediately after exposure or after working hours. BEI: 509 nmol/l, cobalt [in urine]. Sampling time: immediately after exposure or after working hours.
No exposure indices known.	

**Recommended monitoring procedures** : Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

### DNELs/DMELs

Product/ingredient name	Result
Naphtha (petroleum), hydrotreated heavy	<b>DNEL - General population - Long term - Inhalation</b> 0.41 mg/m <sup>3</sup> <u>Effects:</u> Systemic
	<b>DNEL - Workers - Long term - Inhalation</b> 1.9 mg/m <sup>3</sup> <u>Effects:</u> Systemic
	<b>DNEL - General population - Long term - Inhalation</b> 178.57 mg/m <sup>3</sup> <u>Effects:</u> Local
	<b>DNEL - General population - Short term - Inhalation</b> 640 mg/m <sup>3</sup> <u>Effects:</u> Local
	<b>DNEL - Workers - Long term - Inhalation</b> 837.5 mg/m <sup>3</sup> <u>Effects:</u> Local
	<b>DNEL - Workers - Short term - Inhalation</b> 1066.67 mg/m <sup>3</sup> <u>Effects:</u> Local

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### **DNEL - General population - Short term - Inhalation**

1152 mg/m<sup>3</sup>

Effects: Systemic

### **DNEL - Workers - Short term - Inhalation**

1286.4 mg/m<sup>3</sup>

Effects: Systemic

neodecanoic acid, cobalt salt

### **DNEL - General population - Long term - Oral**

32 µg/kg bw/day

Effects: Systemic

### **DNEL - General population - Long term - Inhalation**

43 µg/m<sup>3</sup>

Effects: Local

### **DNEL - Workers - Long term - Inhalation**

273.2 µg/m<sup>3</sup>

Effects: Local

### PNECs

Not available.

## 8.2 Exposure controls

### **Appropriate engineering controls**

- : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

### Individual protection measures

#### **Hygiene measures**

- : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

#### **Eye/face protection**

- : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

#### Skin protection

##### **Hand protection**

- : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Recommendations : Wear suitable gloves tested to EN374.

< 1 hour (breakthrough time): Nitrile gloves. thickness > 0.3 mm

1 - 4 hours (breakthrough time): polyvinyl alcohol (PVA) thickness > 0.3 mm or 4H / Silver Shield® gloves.

> 8 hours (breakthrough time): Viton® thickness > 0.3 mm gloves

Wash hands before breaks and immediately after handling the product.

## SECTION 8: Exposure controls/personal protection

**Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves. Refer to European Standard EN 1149 for further information on material and design requirements and test methods.

**Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.  
Filter type: A  
Filter type (spray application): A P

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## SECTION 9: Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

### 9.1 Information on basic physical and chemical properties

#### Appearance

**Physical state** : Liquid.

**Colour** : Various

**Odour** : Slight

**Odour threshold** : Not available.

**Melting point/freezing point** : Not available.

**Initial boiling point and boiling range** :

Ingredient name	°C	°F	Method
Naphtha (petroleum), hydrotreated heavy	155 to 217	311 to 422.6	

**Flammability** : Not available.

**Lower and upper explosion limit** : Lower: 1.4% (Naphtha (petroleum), hydrotreated heavy)  
Upper: 7.6% (Naphtha (petroleum), hydrotreated heavy)

**Flash point** : Closed cup: 41°C (105.8°F)

**Auto-ignition temperature** :

Ingredient name	°C	°F	Method
Naphtha (petroleum), hydrotreated heavy	280 to 470	536 to 878	

**Decomposition temperature** : Not available.

**pH** : Not available.

**Viscosity** : Kinematic (40°C): >20.5 mm<sup>2</sup>/s

**Solubility(ies)** :

Not available.

**Solubility in water** : Not available.

**Partition coefficient: n-octanol/ water** : Not applicable.

**Vapour pressure** :

## SECTION 9: Physical and chemical properties

Ingredient name	Vapour Pressure at 20°C			Vapour pressure at 50°C		
	mm Hg	kPa	Method	mm Hg	kPa	Method
Naphtha (petroleum), hydrotreated heavy	0.75006 to 2.25018	0.1 to 0.3				

**Relative density** : Not available.

**Density** : 0.9 g/cm<sup>3</sup>

**Vapour density** : Not available.

### Particle characteristics

**Median particle size** : Not applicable.

## 9.2 Other information

### 9.2.1 Information with regard to physical hazard classes

**Explosive properties** : Not available.

**Oxidising properties** : Not available.

### 9.2.2 Other safety characteristics

Not applicable.

## SECTION 10: Stability and reactivity

**10.1 Reactivity** : No specific test data related to reactivity available for this product or its ingredients.

**10.2 Chemical stability** : The product is stable.

**10.3 Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.

**10.4 Conditions to avoid** : Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

**10.5 Incompatible materials** : Reactive or incompatible with the following materials:  
oxidising materials

**10.6 Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity

##### **Product/ingredient name**

Naphtha (petroleum), hydrotreated heavy

##### **Result**

**Rat - Oral - LD50**  
>6 g/kg

**Rat - Inhalation - LC50 Vapour**

8500 mg/m<sup>3</sup> [4 hours]

Toxic effects: Lung, Thorax, or Respiration - Other changes

**Conclusion/Summary [Product]** : Not available.

#### Acute toxicity estimates

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapours) (mg/l)	Inhalation (dusts and mists) (mg/l)
Neodecanoic acid, cobalt salt	500	N/A	N/A	N/A	N/A

## SECTION 11: Toxicological information

### Skin corrosion/irritation

Not available.

**Conclusion/Summary [Product] :** Not available.

### Serious eye damage/eye irritation

Not available.

**Conclusion/Summary [Product] :** Not available.

### Respiratory corrosion/irritation

Not available.

**Conclusion/Summary [Product] :** Not available.

### Respiratory or skin sensitization

Not available.

#### **Skin**

**Conclusion/Summary [Product] :** Not available.

#### **Respiratory**

**Conclusion/Summary [Product] :** Not available.

### Germ cell mutagenicity

Not available.

**Conclusion/Summary [Product] :** Not available.

### Carcinogenicity

Not available.

**Conclusion/Summary [Product] :** Not available.

### Reproductive toxicity

Not available.

**Conclusion/Summary [Product] :** Not available.

### Specific target organ toxicity (single exposure)

<b>Product/ingredient name</b>	<b>Result</b>
Naphtha (petroleum), hydrotreated heavy	STOT SE 3, H336 (Narcotic effects)

### Specific target organ toxicity (repeated exposure)

<b>Product/ingredient name</b>	<b>Result</b>
Neodecanoic acid, cobalt salt	STOT RE 1, H372

### Aspiration hazard

<b>Product/ingredient name</b>	<b>Result</b>
Naphtha (petroleum), hydrotreated heavy	ASPIRATION HAZARD - Category 1

### Information on likely routes of exposure

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Not available.

### Potential acute health effects

**Eye contact** : No known significant effects or critical hazards.

**Inhalation** : Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.

**Skin contact** : **No** known significant effects or critical hazards.

**Ingestion** : Can cause central nervous system (CNS) depression.

### Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact** : No specific data.

**Inhalation** : Adverse symptoms may include the following:  
nausea or vomiting  
headache  
drowsiness/fatigue  
dizziness/vertigo  
unconsciousness

**Skin contact** : **No** specific data.

**Ingestion** : No specific data.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

#### Short term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

#### Long term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

### Potential chronic health effects

Not available.

**Conclusion/Summary [Product]** : Not available.

**General** : **No** known significant effects or critical hazards.

**Carcinogenicity** : No known significant effects or critical hazards.

**Mutagenicity** : No known significant effects or critical hazards.

**Reproductive toxicity** : No known significant effects or critical hazards.

## 11.2 Information on other hazards

### 11.2.1 Endocrine disrupting properties

Not available.

**Conclusion/Summary [Product]** : **The** product does not meet the criteria to be considered as having endocrine disrupting properties according to the criteria set out in either Regulation (EC) No. 1907/2006 or Regulation (EC) No 1272/2008.

### 11.2.2 Other information

Not available.

## SECTION 12: Ecological information

### 12.1 Toxicity

Not available.

**Conclusion/Summary [Product]** : Not available.

### 12.2 Persistence and degradability

Not available.

**Conclusion/Summary [Product]** : Not available.

### 12.3 Bioaccumulative potential

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## SECTION 12: Ecological information

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
Naphtha (petroleum), hydrotreated heavy neodecanoic acid, cobalt salt	-	10 to 2500	High
	-	15600	High

### 12.4 Mobility in soil

#### Soil/water partition coefficient

Not available.

#### Results of PMT and vPvM assessment

Product/ingredient name	PMT	P	M	T	vPvM	vP	vM
Naphtha (petroleum), hydrotreated heavy Mixture of alpha-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl) propionyl-omega-hydroxypoly(oxyethylene) and alpha-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl) propionyl-omega-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl) propionyloxypoly(oxyethylene) neodecanoic acid, cobalt salt	No	No	No	No	No	No	No
	No	No	No	No	No	No	No
	No	No	No	No	No	No	No

**Mobility** : Not available.

**Conclusion/Summary** : The product does not meet the criteria to be considered as a PMT or vPvM.

### 12.5 Results of PBT and vPvB assessment

#### Regulation (EC) No. 1907/2006 [REACH]

Product/ingredient name	PBT	P	B	T	vPvB	vP	vB
Naphtha (petroleum), hydrotreated heavy Mixture of alpha-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl) propionyl-omega-hydroxypoly(oxyethylene) and alpha-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl) propionyl-omega-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl) propionyloxypoly(oxyethylene) neodecanoic acid, cobalt salt	No	N/A	No	No	No	N/A	No
	No	N/A	N/A	No	N/A	N/A	N/A
	N/A	N/A	Yes	Yes	N/A	N/A	Yes

#### Regulation (EC) No. 1272/2008 [CLP]

Product/ingredient name	PBT	P	B	T	vPvB	vP	vB
Naphtha (petroleum), hydrotreated heavy Mixture of alpha-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl) propionyl-omega-hydroxypoly(oxyethylene) and alpha-3-(3-(2H-	No	No	No	No	No	No	No
	No	No	No	No	No	No	No

## SECTION 12: Ecological information

benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl) propionyl-omega-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl) propionyloxypoly (oxyethylene) neodecanoic acid, cobalt salt	No						
---	----	----	----	----	----	----	----

**Conclusion/Summary** : The product does not meet the criteria to be considered as a PBT or vPvB.  
**Regulation (EC) No. 1272/2008**  
**[CLP]**

### 12.6 Endocrine disrupting properties

Not available.

**Conclusion/Summary [Product]** : The product does not meet the criteria to be considered as having endocrine disrupting properties according to the criteria set out in either Regulation (EC) No. 1907/2006 or Regulation (EC) No 1272/2008.

### 12.7 Other adverse effects

No known significant effects or critical hazards.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

**Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.  
 Risk of self-ignition of used cleaning rags, paper wipes etc. Contaminated materials should be soaked in water and placed in a closed metal container before disposal.

#### **Hazardous waste**

**European waste catalogue (EWC)**

#### Packaging

**Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

#### **Special precautions**

: This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapour from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

## SECTION 14: Transport information

	ADR/RID	ADN	IMDG	IATA
<b>14.1 UN number or ID number</b>	UN1263	UN1263	UN1263	UN1263
<b>14.2 UN proper shipping name</b>	PAINT	PAINT	PAINT	PAINT

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## SECTION 14: Transport information

14.3 Transport hazard class(es)	3 	3 	3 	3 
14.4 Packing group	III	III	III	III
14.5 Environmental hazards	No.	No.	No.	No.

### Additional information

ADR/RID	: <b>Viscous liquid exception</b> This class 3 viscous liquid is not subject to regulation in packagings up to 450 L according to 2.2.3.1.5.1. <b>Tunnel code (D/E)</b>
ADN	: <b>Viscous liquid exception</b> This class 3 viscous liquid is not subject to regulation in packagings up to 450 L according to 2.2.3.1.5.1.
IMDG	: <b>Viscous liquid exception</b> This class 3 viscous liquid is not subject to regulation in packagings up to 450 L according to 2.3.2.5.
14.6 Special precautions for user	: <b>Transport within user's premises:</b> always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.
14.7 Maritime transport in bulk according to IMO instruments	: Not relevant/applicable due to nature of the product.

## SECTION 15: Regulatory information

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

#### EU Regulation (EC) No. 1907/2006 (REACH)

##### Annex XIV - List of substances subject to authorisation

##### Annex XIV

None of the components are listed.

##### Substances of very high concern

None of the components are listed.

##### Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Product/ingredient name	%	Designation [Usage]
HELO YACHT	≥90	3

##### Labelling :

##### Other EU regulations

##### Industrial emissions : Not listed

##### (integrated pollution prevention and control) - Air

##### Industrial emissions : Not listed

##### (integrated pollution prevention and control) - Water

##### Explosive precursors : Not applicable.

##### Ozone depleting substances (EU 2024/590)

Not listed.

##### Prior Informed Consent (PIC) (649/2012/EU)

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## SECTION 15: Regulatory information

Not listed.

### Persistent Organic Pollutants

Not listed.

### Seveso Directive

This product is controlled under the Seveso Directive.

#### Danger criteria

##### Category

P5c

### National regulations

#### Austria

**Limitation of the use of organic solvents** : Permitted.

#### Belgium

#### Book VI carcinogenic agents annex VI.2-1 - VI.2-3

Ingredient name	Status
<input checked="" type="checkbox"/> Cobalt et ses composés	Listed

#### Czech Republic

**Storage code** : II

#### Denmark

**Fire class** : II-1

#### Executive Order No. 1795/2015

Ingredient name	Annex I Section A	Annex I Section B
<input checked="" type="checkbox"/> Heodecanoic acid, cobalt salt	Listed	-

**MAL-code** : III-3

**Protection based on MAL** : According to the regulations on work involving coded products, the following stipulations apply to the use of personal protective equipment:

**General:** Gloves must be worn for all work that may result in soiling. Apron/coveralls/protective clothing must be worn when soiling is so great that regular work clothes do not adequately protect skin against contact with the product. A face shield must be worn in work involving spattering if a full mask is not required. In this case, other recommended use of eye protection is not required.

In all spraying operations in which there is return spray, the following must be worn: respiratory protection and arm protectors/apron/coveralls/protective clothing as appropriate or as instructed.

MAL-code: III-3

**Application:** When spraying in new\* booths if the operator is outside the spray zone. When using scraper or knife, brush, roller, etc. for pre- and post-treatments outside a closed facility, spray booth or spray cabin.

- Air-supplied half mask and eye protection must be worn.

During downtimes, cleaning and repair in closed facilities, spray booths or cabins, if there is a risk of contact with wet paint or organic solvents. When using scraper or knife, brush, roller, etc, for pre- and post-treatments in cabins or booths of the existing\* facility type, if the operator is inside the spray zone.

- Air-supplied half mask, coveralls and eye protection must be worn.

When spraying in existing\* spray booths, if the operator is outside the spray zone.

## SECTION 15: Regulatory information

- Air-supplied full mask, arm protectors and apron must be worn.

During non-atomising spraying in existing\* facilities of the combined-cabin, spray-cabin and spray-booth type where the operator is working inside the spray zone.

- Air-supplied full mask, arm protectors and apron must be worn.

During all spraying where atomisation occurs in cabins or spray booths where the operator is inside the spray zone and during spraying outside a closed facility, cabin or booth.

- Air-supplied full mask, coveralls and hood must be worn.

**Drying:** Items for drying/drying ovens that are temporarily placed on such things as rack trolleys, etc, must be equipped with a mechanical exhaust system to prevent fumes from wet items from passing through workers' inhalation zone.

**Polishing:** When polishing treated surfaces, a mask with dust filter must be worn. When machine grinding, eye protection must be worn. Work gloves must always be worn.

**Caution** The regulations contain other stipulations in addition to the above.

\*See Regulations.

### Restrictions on use

: Not to be used by professional users below 18 years of age. See the National Working Environment Authorities Executive Order regarding Young People At Work.

### List of undesirable substances

: Not listed

### Carcinogenic waste

: Waste containers must be labeled: Contains a substance or substances regulated by Danish working environment legislation on cancer risks.

### Finland

### France

### Social Security Code, Articles L 461-1 to L 461-7

: Naphtha (petroleum), hydrotreated heavy neodecanoic acid, cobalt salt RG 84 RG 70

### Reinforced medical surveillance

: Act of July 11, 1977 determining the list of activities which require reinforced medical surveillance: not applicable

### Germany

### TRGS 905

Ingredient name	Carcinogen	Mutagen	Reproductive toxicity - Fertility	Reproductive toxicity - Development
Cobalt-Verbindungen (in Form atembarer Stäube/Aerosole), ausge-nommen die in dieser Liste bzw. in Anhang VI Teil 3 der CLP-Verordnung namentlich aufgeführten Cobaltverbindungen, Cobalt-haltigen Spinellen und organischen Cobalt-Sikkativen	K2	M1A	RF1A	RD1A

**Storage class (TRGS 510) : 3**

### Hazardous incident ordinance

This product is controlled under the Germany Hazardous Incident Ordinance.

### Danger criteria

## SECTION 15: Regulatory information

Category	Reference number
P5c	1.2.5.3

Hazard class for water : 2

Technical instruction on air quality control (TA Luft)

Number [Class]	Description	%
5.2.1	Total dust	52.8
5.2.5	Organic substances	47.1
5.2.5 [I]	Organic substances	1
5.2.7.1.1 [I]	Carcinogenic substances	0.15

Italy

D.Lgs. 152/06 : Not determined.

Netherlands

Ministry of Social Affairs and Employment (SZW) - Carcinogenic substances and processes, mutagenic or reprotoxic substances

Ingredient name	Carcinogen	Mutagen	Reproductive toxicity - Fertility	Reproductive toxicity - Development	Harmful via breastfeeding
Naphtha (petroleum), hydrotreated heavy	Listed	Listed	-	-	-
Naphtha (petroleum), hydrotreated heavy	Listed	Listed	-	-	-
xylene	-	-	-	Development 2	-
hydrocarbon, C9-C11, n-alkane, iso-alkane, cyclic, containing <2% of aromatics, < 0,1% of benzene, < 1% of n-hexane and < 0,5 % of aromatic hydrocarbons	Listed	Listed	-	-	-

Water Discharge Policy (ABM) : Z(1) Non biodegradable substances with hazardous properties for humans and the environment (carcinogenicity/ mutagenicity/ reprotoxicity/ bioaccumulative potential/ toxicity or persistence). Decontamination effort: Z

Norway

Sweden

Flammable liquid class (SRVFS 2005:10) : 2b

Switzerland

VOC content : VOC (w/w): 46.1%

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

## SECTION 15: Regulatory information

**15.2 Chemical safety assessment** : This product contains substances for which Chemical Safety Assessments are still required.

## SECTION 16: Other information

 Indicates information that has changed from previously issued version.

**Abbreviations and acronyms** : ATE = Acute Toxicity Estimate  
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
DMEL = Derived Minimal Effect Level  
DNEL = Derived No Effect Level  
EUH statement = CLP-specific Hazard statement  
N/A = Not available  
PBT = Persistent, Bioaccumulative and Toxic  
PNEC = Predicted No Effect Concentration  
RRN = REACH Registration Number  
SGG = Segregation Group  
vPvB = Very Persistent and Very Bioaccumulative

### Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
Flam. Liq. 3, H226 STOT SE 3, H336	On basis of test data Calculation method

### Full text of abbreviated H statements

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
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.
H412	Harmful to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

### Full text of classifications [CLP/GHS]

Acute Tox. 4	ACUTE TOXICITY - Category 4
Aquatic Chronic 2	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2
Aquatic Chronic 3	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3
Asp. Tox. 1	ASPIRATION HAZARD - Category 1
Flam. Liq. 3	FLAMMABLE LIQUIDS - Category 3
Skin Sens. 1	SKIN SENSITISATION - Category 1
STOT RE 1	SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 1
STOT SE 3	SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3

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HELO YACHT

### Notice to reader

The information in this SDS is based on the present state of our knowledge and on current laws. The product is not to be used for purposes other than those specified under section 1 without first obtaining written handling instructions. It is always the responsibility of the user to take all necessary steps to fulfil the demands set out in the local rules and legislation. The information in this SDS is meant to be a description of the safety requirements for our product. It is not to be considered a guarantee of the product's properties.

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