

# COO-VAR<sup>®</sup>

Paints, Primers and Specialist Coatings

## SAFETY DATA SHEET

### 300/V601 - YACHT AND SEAPLANE VARNISH (2010 compliant)

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

##### 1.1. Product identifier

Product name 300/V601 - YACHT AND SEAPLANE VARNISH (2010 compliant)

Product number 300/V601/27

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

Identified uses Paint.

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

###### Supplier

COO-VAR  
Lockwood Street  
Hull  
HU2 0HN  
+44 (0) 1482 328053(T)  
+44 (0) 1482 219266(F)  
info@coo-var.co.uk

Contact person Technical Department -, 08.30 - 16.30 hrs Mon - Thurs, 08.30 - 15.00 hrs Fri, as above

##### 1.4. Emergency telephone number

Emergency telephone +44 (0) 1482 328053 (08.30 - 16.30 hrs Mon - Thurs, 08.30 - 15.00 hrs Fri)

SDS No. 10609

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### Classification (EC 1272/2008)

Physical hazards Flam. Liq. 3 - H226

Health hazards Elicitation - EUH208 STOT SE 3 - H336

Environmental hazards Aquatic Chronic 2 - H411

Classification (67/548/EEC or 1999/45/EC) N;R51/53. R10,R66,R67.

##### 2.2. Label elements

###### Pictogram



Signal word

Warning

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<b>Hazard statements</b>	<p>EUH208 Contains 2-HYDROXY-4-N-OCTOXYBENZOPHENONE, Cobalt containing polymer. May produce an allergic reaction.</p> <p>H226 Flammable liquid and vapour.</p> <p>H336 May cause drowsiness or dizziness.</p> <p>H411 Toxic to aquatic life with long lasting effects.</p>
<b>Precautionary statements</b>	<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P240 Ground/ bond container and receiving equipment.</p> <p>P241 Use explosion-proof electrical equipment.</p> <p>P242 Use only non-sparking tools.</p> <p>P243 Take precautionary measures against static discharge.</p> <p>P261 Avoid breathing vapour/ spray.</p> <p>P271 Use only outdoors or in a well-ventilated area.</p> <p>P273 Avoid release to the environment.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.</p> <p>P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P312 Call a POISON CENTER/ doctor if you feel unwell.</p> <p>P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.</p> <p>P391 Collect spillage.</p> <p>P403+P233 Store in a well-ventilated place. Keep container tightly closed.</p> <p>P403+P235 Store in a well-ventilated place. Keep cool.</p> <p>P405 Store locked up.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p> <p>P102 Keep out of reach of children.</p> <p>P101 If medical advice is needed, have product container or label at hand.</p>

### 2.3. Other hazards

#### SECTION 3: Composition/information on ingredients

##### 3.2. Mixtures

<b>Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)</b>	<b>30-60%</b>
CAS number: —	EC number: 919-446-0
	REACH registration number: 01-2119458049-33-XXXX
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Flam. Liq. 3 - H226	Xn;R65. N;R51/53. R10,R66,R67.
STOT SE 3 - H336	
STOT RE 1 - H372	
Asp. Tox. 1 - H304	
Aquatic Chronic 2 - H411	
<b>LOW AROMATIC WHITE SPIRIT</b>	<b>5-10%</b>
CAS number: —	EC number: 919-857-5
	REACH registration number: 01-2119463258-33-XXXX
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Flam. Liq. 3 - H226	Xn;R65. R10,R66,R67.
STOT SE 3 - H336	
Asp. Tox. 1 - H304	

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<b>Cobalt containing polymer</b> <span style="float: right;"><b>&lt;1%</b></span>		
CAS number: —		
<b>Classification</b> Not Classified		
<b>2-HYDROXY-4-N-OCTOXYBENZOPHENONE</b> <span style="float: right;"><b>&lt;1%</b></span>		
CAS number: 1843-05-6	EC number: 217-421-2	REACH registration number: 01-2119557833-30-0000
<b>Classification</b> Skin Sens. 1 - H317 Aquatic Chronic 4 - H413	<b>Classification (67/548/EEC or 1999/45/EC)</b> R43,R52/53.	
<b>2-METHYLPENTANE-2,4-DIOL</b> <span style="float: right;"><b>&lt;1%</b></span>		
CAS number: 107-41-5	EC number: 203-489-0	
<b>Classification</b> Skin Irrit. 2 - H315 Eye Irrit. 2 - H319	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xi;R36/38	
<b>ZIRCONIUM SALT, 2-ETHYLHEXANOIC ACID</b> <span style="float: right;"><b>&lt;1%</b></span>		
CAS number: 22464-99-9	EC number: 245-018-1	REACH registration number: 01-2119979088-21-0002
<b>Classification</b> Repr. 2 - H361d	<b>Classification (67/548/EEC or 1999/45/EC)</b> Repr. Cat. 3;R63.	
<b>XYLENE, MIXED ISOMERS</b> <span style="float: right;"><b>&lt;1%</b></span>		
CAS number: 1330-20-7	EC number: 215-535-7	REACH registration number: 01-2119488216-32-xxxx
<b>Classification</b> Flam. Liq. 3 - H226 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335 STOT RE 2 - H373 Asp. Tox. 1 - H304	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xn;R20/21,R65. Xi;R36/37/38. R10.	

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<b>Low Aromatic White Spirit</b>		<b>&lt;1%</b>
CAS number: 64742-48-9	EC number: 265-150-3	REACH registration number: 01-2119457273-39
<b>Classification</b> Flam. Liq. 3 - H226 Asp. Tox. 1 - H304	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xn;R65. R10,R66.	
<b>PHTHALIC ANHYDRIDE</b>		<b>&lt;1%</b>
CAS number: 85-44-9	EC number: 201-607-5	REACH registration number: 01-2119457017-41-0000
<b>Classification</b> Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Resp. Sens. 1 - H334 Skin Sens. 1 - H317 STOT SE 3 - H335	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xn;R22 R42/43 Xi;R37/38,R41	
<b>ZIRCONIUM PROPIONATE</b>		<b>&lt;1%</b>
CAS number: 84057-80-7	EC number: 281-897-8	REACH registration number: 01-2119978305-30-0000
<b>Classification</b> Not Classified	<b>Classification (67/548/EEC or 1999/45/EC)</b> -	
<b>2,6-Di-tert-butyl-p-cresol</b>		<b>&lt;1%</b>
CAS number: 128-37-0	EC number: 204-881-4	REACH registration number: 01-2119565113-46-xxxx
M factor (Acute) = 1		
<b>Classification</b> Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	<b>Classification (67/548/EEC or 1999/45/EC)</b> N;R50/53.	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Never give anything by mouth to an unconscious person.

##### Inhalation

Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues. Place unconscious person on their side in the recovery position and ensure breathing can take place.

##### Ingestion

DO NOT induce vomiting. Get medical attention immediately. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.

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**Skin contact** Remove affected person from source of contamination. Remove contaminated clothing immediately and wash skin with soap and water.

**Eye contact** Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

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

**General information** Get medical attention promptly if symptoms occur after washing.

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

**Notes for the doctor** No specific recommendations.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media** Extinguish with foam, carbon dioxide, dry powder or water fog. 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** Toxic gases or vapours. FLAMMABLE. Solvent vapours may form explosive mixtures with air.

### 5.3. Advice for firefighters

**Protective actions during firefighting** Risk of re-ignition after fire has been extinguished. Cool containers exposed to flames with water until well after the fire is out. Avoid the spillage or runoff entering drains, sewers or watercourses.

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## SECTION 6: Accidental release measures

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

**Personal precautions** Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation. No smoking, sparks, flames or other sources of ignition near spillage. Ensure suitable respiratory protection is worn during removal of spillages in confined areas.

### 6.2. Environmental precautions

**Environmental precautions** Do not 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** Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Avoid the spillage or runoff entering drains, sewers or watercourses. Absorb in vermiculite, dry sand or earth and place into containers. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13.

### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

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<b>Usage precautions</b>	Observe any occupational exposure limits for the product or ingredients. Avoid inhalation of vapours and spray/mists. Keep away from heat, sparks and open flame. Avoid spilling. Avoid contact with skin and eyes. Provide adequate ventilation. Avoid inhalation of vapours. Use approved respirator if air contamination is above an acceptable level. Do not eat, drink or smoke when using the product. The Manual Handling Operations Regulations may apply to the handling of containers of this product. To assist employers, the following method of calculating the weight for any pack size is given. Take the pack size volume in litres and multiply this figure by the specific gravity value given in section 9. This will give the net weight of the coating in kilograms. Allowance will then have to be made for the immediate packaging to give an approximate gross weight.
<b>7.2. Conditions for safe storage, including any incompatibilities</b>	
<b>Storage precautions</b>	Store in closed original container at temperatures between 5°C and 25°C. Keep away from heat, sparks and open flame. Keep container tightly closed. Keep containers upright. Store away from the following materials: Oxidising materials. Alkalis. Acids.
<b>Storage class</b>	Flammable liquid storage. The storage and use of this product is subject to the Dangerous Substances and Explosive Atmospheres Regulations (DSEAR). The requirements are given in the HSE Approved Code of Practice and Guidance, Storage of Dangerous Substances: DSEAR. Up to 250 litres of liquids with a flashpoint above 32C but below 55C may be kept in a workroom provided they are kept in closed containers in a marked, fire-resisting cupboard or bin. Larger quantities must be kept in a separate, marked storeroom conforming to the structural requirements contained in the HSE guidance note Storage of Flammable Liquids in Containers.
<b>7.3. Specific end use(s)</b>	
<b>Specific end use(s)</b>	The identified uses for this product are detailed in Section 1.2.
<b>Usage description</b>	Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible.

### SECTION 8: Exposure Controls/personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

##### **Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)**

Long-term exposure limit (8-hour TWA): WEL 350 mg/m<sup>3</sup>

##### **2-METHYLPENTANE-2,4-DIOL**

Long-term exposure limit (8-hour TWA): WEL 25 ppm 123 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 25 ppm 123 mg/m<sup>3</sup>

##### **ZIRCONIUM SALT, 2-ETHYLHEXANOIC ACID**

Long-term exposure limit (8-hour TWA): WEL 5 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 10 mg/m<sup>3</sup>

##### **XYLENE, MIXED ISOMERS**

Long-term exposure limit (8-hour TWA): WEL 50 ppm 220 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 100 ppm 441 mg/m<sup>3</sup>

##### **Low Aromatic White Spirit**

Long-term exposure limit (8-hour TWA): WEL 1000 mg/m<sup>3</sup>

##### **PHTHALIC ANHYDRIDE**

Long-term exposure limit (8-hour TWA): WEL 4 mg/m<sup>3</sup>(Sen)

Short-term exposure limit (15-minute): WEL 12 mg/m<sup>3</sup>(Sen)

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### ZIRCONIUM PROPIONATE

Long-term exposure limit (8-hour TWA): WEL 5 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 10 mg/m<sup>3</sup>

### 2,6-Di-tert-butyl-p-cresol

Long-term exposure limit (8-hour TWA): WEL 10 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit

### Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

<b>DNEL</b>	Consumer - Oral; Long term systemic effects: 26 mg/kg/day Consumer - Dermal; Long term systemic effects: 26 mg/kg/day Consumer - Inhalation; Long term systemic effects: 71 mg/m <sup>3</sup> Consumer - Inhalation; Short term systemic effects: 570 mg/m <sup>3</sup> Industry - Inhalation; Short term systemic effects: 570 mg/m <sup>3</sup> Industry - Inhalation; Long term systemic effects: 330 mg/m <sup>3</sup> Industry - Dermal; Long term systemic effects: 44 mg/kg/day
<b>PNEC</b>	No PNEC available. Substance is a hydrocarbon UVCB. Standard tests for this endpoint are intended for single substances and are not appropriate for the risk assessment of this complex substance.

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<b>DNEL</b>	Consumer - Dermal; Long term systemic effects: 300 mg/kg/day Consumer - Oral; Long term systemic effects: 300 mg/kg/day Industry - Inhalation; Long term systemic effects: 1500 mg/m <sup>3</sup> Industry - Dermal; Long term systemic effects: 300 mg/kg/day Consumer - Inhalation; Long term systemic effects: 900 mg/m <sup>3</sup>
<b>PNEC</b>	No PNEC available. Substance is a hydrocarbon UVCB. Standard tests for this endpoint are intended for single substances and are not appropriate for the risk assessment of this complex substance.

### Reaction mass of Diethylene glycol dibenzoate, Dipropylene glycol dibenzoate and Trithethylene glycol dibenzoate

<b>DNEL</b>	Workers - Dermal; Short term systemic effects: 160 mg/kg Workers - Inhalation; Short term systemic effects: 35.08 mg/m <sup>3</sup> Workers - Dermal; Long term systemic effects: 1.7 mg/kg Workers - Inhalation; Long term systemic effects: 5.8 mg/m <sup>3</sup> General population - Dermal; Short term systemic effects: 8 mg/kg General population - Inhalation; Short term systemic effects: 8.7 mg/m <sup>3</sup> General population - Oral; Short term systemic effects: 80 mg/kg General population - Dermal; Long term systemic effects: 0.8 mg/kg General population - Inhalation; Long term systemic effects: 1.4 mg/m <sup>3</sup> General population - Oral; Long term systemic effects: 0.8 mg/kg
<b>PNEC</b>	- Fresh water; 0.0029 mg/l - Marine water; 0.00029 mg/l - Intermittent release; 0.029 mg/l - Sediment (Freshwater); 0.0263 mg/kg - Sediment (Marinewater); 0.0263 mg/kg - Soil; 1 mg/kg - STP; 10 mg/l - ;

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### XYLENE, MIXED ISOMERS (CAS: 1330-20-7)

<b>DNEL</b>	<p>Consumer - Oral; Long term systemic effects: 1.6 mg/kg/day</p> <p>Consumer - Dermal; Long term systemic effects: 108 mg/kg/day</p> <p>Consumer - Inhalation; Long term systemic effects: 14.8 mg/m<sup>3</sup></p> <p>Industry - Dermal; Long term systemic effects: 180 mg/kg/day</p> <p>Industry - Inhalation; Long term systemic effects: 77 mg/m<sup>3</sup></p> <p>Industry - Inhalation; Short term local effects: 289 mg/m<sup>3</sup></p>
<b>PNEC</b>	<p>- Fresh water; 0.327 mg/l</p> <p>- Marine water; 0.327 mg/l</p> <p>- Intermittent release; 0.327 mg/l</p> <p>- Sediment (Freshwater); 12.46 mg/kg</p> <p>- Sediment (Marinewater); 12.46 mg/kg</p> <p>- Soil; 2.31 mg/kg</p> <p>- STP; 6.58 mg/kg</p>

### 2,6-Di-tert-butyl-p-cresol (CAS: 128-37-0)

<b>DNEL</b>	<p>Industry - Dermal; : 0.5 mg/kg/day</p> <p>Industry - Inhalation; : 3.5 mg/kg/day</p>
<b>PNEC</b>	<p>- Fresh water; 0.000199 mg/l</p> <p>- Sediment; 0.0996 mg/l</p> <p>- Soil; 0.04769 mg/l</p> <p>- Marine water; 0.0000199 mg/l</p>

## 8.2. Exposure controls

### Protective equipment



### Appropriate engineering controls

Provide adequate general and local exhaust ventilation. Observe any occupational exposure limits for the product or ingredients.

### Eye/face protection

Wear chemical splash goggles.

### Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. 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. Barrier cream applied before work may make it easier to clean the skin after exposure, but does not prevent absorption through the skin.

### Other skin and body protection

Wear appropriate clothing to prevent reasonably probable skin contact.

### Hygiene measures

No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.

### Respiratory protection

No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

## SECTION 9: Physical and Chemical Properties

### 9.1. Information on basic physical and chemical properties

**Appearance** Viscous liquid. Clear, yellowish liquid.



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<b>Colour</b>	Straw.
<b>Odour</b>	Organic solvents.
<b>Flash point</b>	38 approx. °C CC (Closed cup).
<b>Upper/lower flammability or explosive limits</b>	: 0.8
<b>Vapour density</b>	heavier than air
<b>Relative density</b>	0.92 @ @ 20°C
<b>Solubility(ies)</b>	Insoluble in water
<b>Viscosity</b>	2.5 (Rot thinner) P @ 25°C

### 9.2. Other information

<b>Volatility</b>	51
<b>Volatile organic compound</b>	This product contains a maximum VOC content of 395 g/litre.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

<b>Reactivity</b>	There are no known reactivity hazards associated with this product.
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### 10.2. Chemical stability

<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended.
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### 10.3. Possibility of hazardous reactions

<b>Possibility of hazardous reactions</b>	Not determined.
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### 10.4. Conditions to avoid

<b>Conditions to avoid</b>	Avoid heat, flames and other sources of ignition. Avoid contact with the following materials: Acids. Oxidising agents.
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### 10.5. Incompatible materials

<b>Materials to avoid</b>	Strong alkalis. Strong acids. Strong oxidising agents.
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### 10.6. Hazardous decomposition products

<b>Hazardous decomposition products</b>	Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.
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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

<b>Inhalation</b>	Vapour from this product may be hazardous by inhalation. Vapour may irritate respiratory system/lungs.
<b>Ingestion</b>	Liquid irritates mucous membranes and may cause abdominal pain if swallowed.
<b>Skin contact</b>	Product has a defatting effect on skin. Repeated exposure may cause skin dryness or cracking. May cause allergic contact eczema. Prolonged or repeated exposure may cause severe irritation.
<b>Eye contact</b>	May cause temporary eye irritation.

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<b>Acute and chronic health hazards</b>	This product has low toxicity. Only large quantities are likely to have adverse effects on human health.
<b>Route of entry</b>	Inhalation Skin absorption. Ingestion. Skin and/or eye contact.
<b>Medical considerations</b>	Skin disorders and allergies. Avoid vomiting and stomach flushing because of the risk of aspiration.
<b>Toxicological information</b>	

### Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

#### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 15,000.0

**Species** Rat

**Notes (oral LD<sub>50</sub>)** Conclusive data but not sufficient for classification.

#### Acute toxicity - dermal

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 3,400.0

**Species** Rabbit

**Notes (dermal LD<sub>50</sub>)** Conclusive data but not sufficient for classification.

#### Skin corrosion/irritation

**Animal data** Erythema/eschar score: Very slight erythema - barely perceptible (1). Oedema score: Very slight oedema - barely perceptible (1). Not irritating.

**Extreme pH** Not irritating. Not corrosive to skin.

#### Serious eye damage/irritation

**Serious eye damage/irritation** Not irritating.

#### Respiratory sensitisation

**Respiratory sensitisation** There is evidence that the material can lead to respiratory hypersensitivity.

#### Skin sensitisation

**Skin sensitisation** Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising. Buehler test - Guinea pig: Not sensitising.

#### Germ cell mutagenicity

**Genotoxicity - in vitro** Bacterial reverse mutation test: Negative.

**Genotoxicity - in vivo** Chromosome aberration: Negative.

#### Carcinogenicity

**Carcinogenicity** NOAEL 300 mg/kg, Oral, Rat There is no evidence that the product can cause cancer.

#### Reproductive toxicity

**Reproductive toxicity - fertility** One-generation study - NOAEL >3000 mg/kg/day, Oral, Rat P This substance has no evidence of toxicity to reproduction.

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**Reproductive toxicity - development** Developmental toxicity: - NOAEC: >300 ppm, Inhalation, Rat Read-across data. This substance has no evidence of toxicity to reproduction.

### Specific target organ toxicity - single exposure

**STOT - single exposure** Central nervous system depression including narcotic effects such as drowsiness, narcosis, reduced alertness, loss of reflexes, lack of coordination and vertigo.

**Target organs** Central nervous system

### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** NOAEL 1056 mg/kg, Oral, Rat

### Aspiration hazard

**Aspiration hazard** Kinematic viscosity <= 20.5 mm<sup>2</sup>/s.

**Inhalation** Vapours may cause drowsiness and dizziness.

**Ingestion** Harmful: may cause lung damage if swallowed. May cause stomach pain or vomiting.

**Skin contact** May cause defatting of the skin, but is not an irritant. Not a skin sensitiser.

**Eye contact** No specific health hazards known.

**Route of entry** Skin and/or eye contact. Inhalation

**Target organs** Central nervous system

### LOW AROMATIC WHITE SPIRIT

#### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 5,100.0

**Species** Rat

**ATE oral (mg/kg)** 5,100.0

#### Acute toxicity - dermal

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 5,100.0

**Species** Rabbit

**ATE dermal (mg/kg)** 5,100.0

#### Acute toxicity - inhalation

**Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l)** 5,100.0

**Species** Rat

**ATE inhalation (vapours mg/l)** 5,100.0

#### Skin corrosion/irritation

**Skin corrosion/irritation** Not irritating.

#### Serious eye damage/irritation

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<b>Serious eye damage/irritation</b>	Not irritating.
<u>Respiratory sensitisation</u>	
<b>Respiratory sensitisation</b>	Not sensitising.
<u>Skin sensitisation</u>	
<b>Skin sensitisation</b>	Not sensitising.
<u>Germ cell mutagenicity</u>	
<b>Genotoxicity - in vitro</b>	Chromosome aberration: Negative. This substance has no evidence of mutagenic properties.
<u>Carcinogenicity</u>	
<b>Carcinogenicity</b>	Based on available data the classification criteria are not met.
<u>Reproductive toxicity</u>	
<b>Reproductive toxicity - fertility</b>	Fertility: - , Inhalation, Rat This substance has no evidence of toxicity to reproduction.
<b>Reproductive toxicity - development</b>	Developmental toxicity: - : , Inhalation, Rat This substance has no evidence of toxicity to reproduction.
<u>Specific target organ toxicity - repeated exposure</u>	
<b>STOT - repeated exposure</b>	Not available.
<u>Aspiration hazard</u>	
<b>Aspiration hazard</b>	Kinematic viscosity <= 20.5 mm <sup>2</sup> /s.
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<b>Inhalation</b>	Vapours may cause drowsiness and dizziness. Central nervous system depression.
<b>Ingestion</b>	Harmful: danger of serious damage to health by prolonged exposure if swallowed.
<b>Skin contact</b>	Product has a defatting effect on skin. May cause allergic contact eczema.
<b>Eye contact</b>	No specific health hazards known.
<b>Route of entry</b>	Inhalation Dermal

### SECTION 12: Ecological Information

**Ecotoxicity** The product contains substances which are toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

#### Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

**Ecotoxicity** Dangerous for the environment if discharged into watercourses.

#### 12.1. Toxicity

#### Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

**Toxicity** Dangerous for the environment if discharged into watercourses Toxic to aquatic organisms

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: 10 - 30 mg/l, Onchorhynchus mykiss (Rainbow trout)

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<b>Acute toxicity - aquatic invertebrates</b>	EC <sub>50</sub> , 48 hours: 10 - 22 mg/l, Daphnia magna
<b>Acute toxicity - aquatic plants</b>	IC <sub>50</sub> , 72 hours: 4.6 - 10 mg/l, Pseudokirchneriella subcapitata
<b>Acute toxicity - microorganisms</b>	EC <sub>50</sub> , 48 hours: 43.98 mg/l, Activated sludge
<b>Chronic toxicity - fish early life stage</b>	NOEC, 28 days: 0.13 mg/l, Freshwater fish
<b>Chronic toxicity - aquatic invertebrates</b>	NOEC, < 21 days: 0.28 mg/l, Daphnia magna

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<b>Acute toxicity - fish</b>	LC50, > 96 hours: 1000 mg/l, Onchorhynchus mykiss (Rainbow trout) Substance did not cause acute toxicity to fish
<b>Acute toxicity - aquatic invertebrates</b>	Substance did not cause acute toxicity to the freshwater invertebrates EC <sub>50</sub> , 48 hours: >1000 mg/l, Daphnia magna
<b>Acute toxicity - aquatic plants</b>	EC <sub>50</sub> , > 72 hours: 1000 mg/l, Freshwater algae Substance did not cause acute toxicity to the freshwater green algae
<b>Acute toxicity - microorganisms</b>	EC <sub>50</sub> , >: 100 mg/l, Activated sludge
<b>Chronic toxicity - fish early life stage</b>	NOEC, 28 days: 0.131 mg/l, Onchorhynchus mykiss (Rainbow trout)
<b>Chronic toxicity - aquatic invertebrates</b>	NOEC, 28 days: 0.23 mg/l, Daphnia magna

### 12.2. Persistence and degradability

**Persistence and degradability** The product is not expected to be biodegradable.

#### Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

<b>Persistence and degradability</b>	The product is readily biodegradable.
<b>Phototransformation</b>	Scientifically unjustified.
<b>Stability (hydrolysis)</b>	Scientifically unjustified.
<b>Biodegradation</b>	- Degradation 75: 28 days

### LOW AROMATIC WHITE SPIRIT

<b>Persistence and degradability</b>	The product is readily biodegradable.
<b>Phototransformation</b>	Oxidises rapidly by photo-chemical reactions in air
<b>Biodegradation</b>	- 80 Degradation (%): 28 days Test - 301F Ready Biodegradability - Manometric Respiratory Test

### 12.3. Bioaccumulative potential

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**Bioaccumulative potential** The product contains potentially bioaccumulating substances.

### Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

**Bioaccumulative potential** Substance is a hydrocarbon UVCB. Standard tests for this endpoint are intended for single substances and are not appropriate for this complex substance.

**Partition coefficient** Technically not feasible.

### LOW AROMATIC WHITE SPIRIT

**Bioaccumulative potential** The product contains potentially bioaccumulating substances.

**Partition coefficient** log Pow: 5 - 6.7

## 12.4. Mobility in soil

**Mobility** The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

### Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

**Adsorption/desorption coefficient** Scientifically unjustified.

**Henry's law constant** Volatilisation is dependent on Henry's Law constant (HLC) which is not applicable to complex substances.

**Surface tension** 24 - 27 mN/m @ 25°C

### LOW AROMATIC WHITE SPIRIT

**Mobility** The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces. Readily absorbed into soil.

**Adsorption/desorption coefficient** Not available.

**Surface tension** 24.5 mN/m @ 20°C

## 12.5. Results of PBT and vPvB assessment

### Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

### LOW AROMATIC WHITE SPIRIT

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

## 12.6. Other adverse effects

**Other adverse effects** The product contains volatile organic compounds (VOCs) which have a photochemical ozone creation potential.

### Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

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**Other adverse effects** This substance may contribute to ozone formation in the near surface atmosphere. However, the photochemical formation of ozone depends on a complex interaction of other atmospheric pollutant sources and environmental conditions. Therefore, the contribution of this substance to ozone formation is outside the scope of this substance assessment and is more appropriately addressed via EU air quality directives.

### LOW AROMATIC WHITE SPIRIT

**Other adverse effects** Not known.

#### SECTION 13: Disposal considerations

##### 13.1. Waste treatment methods

**General information** Avoid the spillage or runoff entering drains, sewers or watercourses.

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

**Waste class** When this coating, in its liquid state, as supplied, becomes a waste, it is categorised as hazardous waste, with code 08 01 11\* (SOLVENT BASED LIQUID WASTE). Part-used containers, not drained and/or rigorously scraped out and containing dried residues of the supplied coating, are categorised as hazardous waste, with code 08 01 11\* (SOLVENT BASED LIQUID WASTE). If mixed with other wastes, the above waste code may not be applicable. Used containers, drained and/or rigorously scraped out and containing dry residues of the supplied coating, are categorised as non-hazardous waste, with code 15 01 02 (plastic packaging) or 15 01 04 (metal packaging).

#### SECTION 14: Transport information

**General** This product is packed in accordance with the Limited Quantity Provisions of CDGCPL2, ADR and IMDG.

##### 14.1. UN number

**UN No. (ADR/RID)** 1263

**UN No. (IMDG)** 1263

**UN No. (ICAO)** 1263

##### 14.2. UN proper shipping name

**Proper shipping name (ADR/RID)** PAINT

**Proper shipping name (IMDG)** PAINT

**Proper shipping name (ICAO)** PAINT

**Proper shipping name (ADN)** PAINT

##### 14.3. Transport hazard class(es)

**ADR/RID class** 1263

**IMDG class** 3

**ICAO class/division** 3

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### Transport labels



#### 14.4. Packing group

ADR/RID packing group	III
IMDG packing group	III
ICAO packing group	III

#### 14.5. Environmental hazards

##### Environmentally hazardous substance/marine pollutant



#### 14.6. Special precautions for user

EmS	F-E, S-E
Tunnel restriction code	(D/E)

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

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

### SECTION 15: Regulatory information

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

<b>National regulations</b>	The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
<b>EU legislation</b>	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).
<b>Guidance</b>	Workplace Exposure Limits EH40. CHIP for everyone HSG228. Safety Data Sheets for Substances and Preparations. Approved Classification and Labelling Guide (Sixth edition) L131. Dangerous Substances and Explosive Atmospheres Regulations 2002 [L138]

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### SECTION 16: Other information

<b>Revision comments</b>	Issued in new format for Reach compliance in accordance with EC 1272/2008 Issued in accordance with Annex II to REACH, as amended by Commission Regulation (EU) No. 453/2010 Substitution of neodecanoate acid, cobalt salt with cobalt polymer complex.
<b>Issued by</b>	Technical Dept. (P.E.)



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<b>Revision date</b>	31/03/2015
<b>Revision</b>	9
<b>Supersedes date</b>	12/06/2014
<b>SDS number</b>	10609
<b>SDS status</b>	Approved.
<b>Signature</b>	Initials_____
<b>Risk phrases in full</b>	Not classified. R10 Flammable. R20/21 Harmful by inhalation and in contact with skin. R36/37/38 Irritating to eyes, respiratory system and skin. R36/38 Irritating to eyes and skin. R43 May cause sensitisation by skin contact. R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R63 Possible risk of harm to the unborn child. R65 Harmful: may cause lung damage if swallowed. R66 Repeated exposure may cause skin dryness or cracking. R67 Vapours may cause drowsiness and dizziness.
<b>Hazard statements in full</b>	EUH208 Contains 2-HYDROXY-4-N-OCTOXYBENZOPHENONE, Cobalt containing polymer. May produce an allergic reaction.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.