

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 29.04.2015

Version number 1

Revision: 29.04.2015

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

- 1.1 Product identifier
 - Trade name: **COELAN Boat primer**
 - 1.2 Relevant identified uses of the substance or mixture and uses advised against
 - Application of the substance / the mixture
 - 1.3 Details of the supplier of the safety data sheet
 - Manufacturer/Supplier:
 - Further information obtainable from:
 - 1.4 Emergency telephone number:
- No further relevant information available.
 Primer
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 Holländische Strasse 32-36
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SECTION 2: Hazards identification

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



GHS02 flame

Flam. Liq. 3 H226 Flammable liquid and vapour.



GHS08 health hazard


 STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.
 Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.


GHS07


 Skin Irrit. 2 H315 Causes skin irritation.
 Eye Irrit. 2 H319 Causes serious eye irritation.
 Skin Sens. 1 H317 May cause an allergic skin reaction.
 STOT SE 3 H335 May cause respiratory irritation.
 Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

- Classification according to Directive 67/548/EEC or Directive 1999/45/EC


Not applicable.

 Xn; Harmful

R20/21-48-68/20-65: Harmful by inhalation and in contact with skin. Danger of serious damage to health by prolonged exposure. Harmful: possible risk of irreversible effects through inhalation. Harmful: may cause lung damage if swallowed.

 Xi; Irritant

R36/37/38: Irritating to eyes, respiratory system and skin.

 Xi; Sensitising

 R43: May cause sensitisation by skin contact.
 R10-52/53: Flammable. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

- Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

- Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

- 2.2 Label elements

- Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

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- Hazard pictograms



GHS02 GHS07 GHS08

- Signal word

Danger

- Hazard-determining components of labelling:

xylene
aliphatic polyisocyanate
Urethane bis Oxazolidine
Isophorondiisocyanat, Homopolymer

- Hazard statements

H226 Flammable liquid and vapour.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation.
H373 May cause damage to organs through prolonged or repeated exposure.
H304 May be fatal if swallowed and enters airways.
H412 Harmful 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.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- Additional information:

EUH204 Contains isocyanates. May produce an allergic reaction.

- 2.3 Other hazards

- Results of PBT and vPvB assessment

- PBT: Not applicable.

- vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

- 3.2 Chemical characterisation: Mixtures

- Description: Mixture of substances listed below with nonhazardous additions.

- Dangerous components:

CAS: 1330-20-7 EINECS: 215-535-7	xylene ☒ Xn R20/21-48-68/20-65; ☒ Xi R36/37/38 R10 ☒ Flam. Liq. 3, H226; ☒ STOT RE 2, H373; Asp. Tox. 1, H304; ☒ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	25-50%
	aliphatic polyisocyanate ☒ Xi R43 ☒ Skin Sens. 1, H317	12.5-25%
CAS: 100-41-4 EINECS: 202-849-4	ethylbenzene ☒ Xn R20; ☒ F R11 ☒ Flam. Liq. 2, H225; ☒ Acute Tox. 4, H332	12.5-25%
EC number: 918-668-5	hydrocarbons, C9, aromatic ☒ Xn R65; ☒ Xi R37; ☒ N R51/53 R10-66-67 ☒ Flam. Liq. 3, H226; ☒ Asp. Tox. 1, H304; ☒ Aquatic Chronic 2, H411; ☒ STOT SE 3, H335-H336	2.5-10%
CAS: 108-65-6 EINECS: 203-603-9	2-methoxy-1-methylethyl acetate R10 ☒ Flam. Liq. 3, H226	2.5-10%
CAS: 59719-67-4 EINECS: 261-879-6	Urethane bis Oxazolidine ☒ Xi R36; ☒ Xi R43; ☒ N R51/53 ☒ Aquatic Chronic 2, H411; ☒ Eye Irrit. 2, H319; Skin Sens. 1B, H317	2.5-10%
CAS: 53880-05-0 EC number: 931-312-3	Isophorondiisocyanat, Homopolymer ☒ Xi R37; ☒ Xi R43 ☒ Acute Tox. 4, H302; Skin Sens. 1, H317; STOT SE 3, H335	0.5-2.5%

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CAS: 64742-82-1 EINECS: 265-185-4	Naphtha (petroleum), hydrodesulfurized heavy Xn R65; N R51/53 R10-66-67 Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H336	0.5-2.5%
CAS: 25550-51-0 EINECS: 247-094-1	hexahydromethylphthalic anhydride Xn R42/43; Xi R41 Resp. Sens. 1, H334; Eye Dam. 1, H318; Skin Sens. 1, H317	< 0.5%
CAS: 4098-71-9 EINECS: 223-861-6	3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate T R23; Xn R42/43; Xi R36/37/38; N R51/53 Acute Tox. 2, H330; Resp. Sens. 1, H334; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335	< 0.5%
ELINCS: 400-830-7	Reaktionsgemisch, bestehend aus alpha-3-(3-(2H-Benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-omega-hydroxypoly(oxyethylen) und alpha-3-(2H-Benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-omega-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-oxypoly(oxyethylen) Xi R43; N R51/53 Aquatic Chronic 2, H411; Skin Sens. 1, H317	< 0.5%

- SVHC

25550-51-0 | hexahydromethylphthalic anhydride

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

SECTION 4: First aid measures

- 4.1 Description of first aid measures

- General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

- After inhalation:

Supply fresh air and to be sure call for a doctor.

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

- After skin contact:

Immediately wash with water and soap and rinse thoroughly.

- After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

Rinse opened eye for several minutes under running water.

- After swallowing:

If symptoms persist consult doctor.

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

No further relevant information available.

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

No further relevant information available.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media

- Suitable extinguishing agents:

CO2, sand, extinguishing powder. Do not use water.

Alcohol resistant foam

ABC powder

- For safety reasons unsuitable extinguishing agents:

Water with full jet

- 5.2 Special hazards arising from the substance or mixture

No further relevant information available.

- 5.3 Advice for firefighters

- Protective equipment:

Mouth respiratory protective device.

Do not inhale explosion gases or combustion gases.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Keep away from ignition sources.

- 6.2 Environmental precautions:

Prevent from spreading (e.g. by damming-in or oil barriers).

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

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

- 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

- 6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

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SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **Information about fire - and explosion protection:** Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:** Protect from frost.
Keep container tightly sealed.
- **Storage class:** 3
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **8.1 Control parameters**

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

1330-20-7 xylene

WEL	Short-term value: 441 mg/m ³ , 100 ppm Long-term value: 220 mg/m ³ , 50 ppm Sk; BMGV
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100-41-4 ethylbenzene

WEL	Short-term value: 552 mg/m ³ , 125 ppm Long-term value: 441 mg/m ³ , 100 ppm Sk
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108-65-6 2-methoxy-1-methylethyl acetate

WEL	Short-term value: 548 mg/m ³ , 100 ppm Long-term value: 274 mg/m ³ , 50 ppm Sk
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4098-71-9 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate

WEL	Short-term value: 0.07 mg/m ³ Long-term value: 0.02 mg/m ³ Sen; as -NCO
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- DNELs

1330-20-7 xylene

Dermal	Long term - systemic effects	180 mg/kg (worker)
Inhalative	Acute - local effects	289 mg/m ³ (worker)
	Acute - systemic effects	289 mg/m ³ (worker)
	Long term - systemic effects	77 mg/m ³ (worker)

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

Dermal	Long term - systemic effects	153.5 mg/kg (worker)
Inhalative	Long term - systemic effects	275 mg/m ³ (worker)

- Ingredients with biological limit values:

1330-20-7 xylene

BMGV	650 mmol/mol creatinine Medium: urine Sampling time: post shift Parameter: methyl hippuric acid
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- **Additional information:** The lists valid during the making were used as basis.

- 8.2 Exposure controls

- Personal protective equipment:

- **General protective and hygienic measures:** Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.

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- Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
Use suitable respiratory protective device in case of insufficient ventilation.

- Protection of hands:



Protective gloves

Only use chemical-protective gloves with CE-labelling of category III.
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Recommended thickness of the material: ≥ 0.7 mm

Synthetic rubber gloves

- Penetration time of glove material

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

The determined penetration times according to EN 374 part III are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

Value for the permeation: Level ≤ 3

- Eye protection:



Tightly sealed goggles

- Body protection:

Protective work clothing
Impervious protective clothing

SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties

- General Information

- Appearance:

Form:	Fluid
Colour:	According to product specification
Odour:	Characteristic
Odour threshold:	Not determined.

- pH-value: Not determined.

- Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.

- Flash point: 25 °C

- Flammability (solid, gaseous): Not applicable.

- Ignition temperature:

Decomposition temperature: Not determined.

- Self-igniting: Product is not selfigniting.

- Danger of explosion: Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

- Explosion limits:

Lower:	Not determined.
Upper:	Not determined.

- Density at 20 °C: 0.92 g/cm³

- Relative density Not determined.

- Vapour density Not determined.

- Evaporation rate Not determined.

- Solubility in / Miscibility with water:

Not miscible or difficult to mix.

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- Partition coefficient (n-octanol/water):	Not determined.
- Viscosity:	
Dynamic:	Not determined.
Kinematic at 23 °C:	12 s (ISO 4 mm DIN EN ISO 2431)
- Solvent content:	
VOC (EC)	68.20 %
- 9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- 10.1 Reactivity	
- 10.2 Chemical stability	
- Thermal decomposition / conditions to be avoided:	No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions	No dangerous reactions known.
- 10.4 Conditions to avoid	No further relevant information available.
- 10.5 Incompatible materials:	No further relevant information available.
- 10.6 Hazardous decomposition products:	No dangerous decomposition products known.

SECTION 11: Toxicological information

- 11.1 Information on toxicological effects
- Acute toxicity

- LD/LC50 values relevant for classification:

1330-20-7 xylene

Oral	LD50	4300 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rabbit)
Inhalative	LC50/4 h	6350 mg/l (rat)

aliphatic polyisocyanate

Oral	LD50	>2500 mg/kg (rat) (OECD TG 423)
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100-41-4 ethylbenzene

Oral	LD50	3500 mg/kg (rat)
Dermal	LD50	17800 mg/kg (rabbit)
Inhalative	LC50/4 h	11 mg/l (ATE)

hydrocarbons, C9, aromatic

Oral	LD50	>2000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rabbit)

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

Oral	LD50	8532 mg/kg (rat)
Dermal	LD50	>5000 mg/kg (rat)
Inhalative	LC50/4 h	35.7 mg/l (rat)

59719-67-4 Urethane bis Oxazolidine

Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rab)

53880-05-0 Isophorondiisocyanat, Homopolymer

Oral	LD50	2000 mg/kg (rat)
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64742-82-1 Naphtha (petroleum), hydrodesulfurized heavy

Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	>3160 mg/kg (rabbit)
Inhalative	LC50/4 h	>5 mg/l (rat)

25550-51-0 hexahydromethylphthalic anhydride

Oral	LD50	>5000 mg/kg (rat)
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4098-71-9 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate

Dermal	LD50	>7000 mg/kg (rat) (OECD- Prüfrichtlinie 402)
Inhalative	LC50/4 h	0.5 mg/l (ATE)

Reaktionsgemisch, bestehend aus alpha-3-(3-(2H-Benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-omega-hydroxypoly(oxyethylen) und alpha-3-(2H-Benzotriazol-2-yl)-5-tert-butyl-4-hydroxy-phenyl)propionyl-omega-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylen)

Oral	LD50	>5000 mg/kg (rat) (unbekannt)
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Dermal	LD50	>2000 mg/kg (rat) (unbekannt)
Inhalative	LC50/4 h	>5.8 mg/l (rat) (unbekannt)

- **Primary irritant effect:**
- **Skin corrosion/irritation:** Irritant to skin and mucous membranes.
- **Serious eye damage/irritation:** Irritating effect.
- **Respiratory or skin sensitisation:** Sensitisation possible through skin contact.
- **Additional toxicological information:** The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
Harmful
Irritant

SECTION 12: Ecological information

- 12.1 Toxicity

- Aquatic toxicity:

1330-20-7 xylene

IC50/72 h	2.2 mg/l (ALGAE)
LC50/96 h	26.7 mg/l (Pimephales promelas)

100-41-4 ethylbenzene

EC50 / 72h	4.6 mg/l (Pseudokirchneriella subcapitata)
EC50/48 h	2.1 mg/l (Daphnia magna)
LC50 / 48 h	12.1 mg/l (Daphnia magna)

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

LC50/96 h	>100 mg/l (oryzias latipes (Ricefish))
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59719-67-4 Urethane bis Oxazolidine

EC50 / 72h	18.6 mg/l (Selenastrum capricornutum)
EC50/48 h	87.1 mg/l (Daphnia magna)

53880-05-0 Isophorondiisocyanat, Homopolymer

EC50/3h	>10000 mg/l (Belebtschlamm (freshwater)) (OECD- Prüfrichtlinie 209)
EC50/48 h	>3.36 mg/l (Daphnia magna) (OECD- Prüfrichtlinie 202)
LC50/96 h	>1.51 mg/l (Cyprinus Carpio) (Richtlinie 67/548/EWG, Anhang V, C.1.)

4098-71-9 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate

EC50/48 h	27 mg/l (Daphnia magna) (Richtlinie 67/548/EWG, Anhang V, C.2.)
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- **12.2 Persistence and degradability:** No further relevant information available.
- **12.3 Bioaccumulative potential:** No further relevant information available.
- **12.4 Mobility in soil:** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Harmful to fish
- **Additional ecological information:**
- **General notes:** Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.
Harmful to aquatic organisms
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects:** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation:** Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **European waste catalogue**

08 04 09*	waste adhesives and sealants containing organic solvents or other dangerous substances
08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09

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

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SECTION 14: Transport information

<ul style="list-style-type: none"> - 14.1 UN-Number - ADR, IMDG, IATA 	<p>UN1263</p>
<ul style="list-style-type: none"> - 14.2 UN proper shipping name - ADR - IMDG, IATA 	<p>1263 PAINT PAINT</p>
<ul style="list-style-type: none"> - 14.3 Transport hazard class(es) - ADR 	<div style="text-align: center;">  </div>
<ul style="list-style-type: none"> - Class - Label 	<p>3 (F1) Flammable liquids. 3</p>
<ul style="list-style-type: none"> - IMDG, IATA 	<div style="text-align: center;">  </div>
<ul style="list-style-type: none"> - Class - Label 	<p>3 Flammable liquids. 3</p>
<ul style="list-style-type: none"> - 14.4 Packing group - ADR, IMDG, IATA 	<p>III</p>
<ul style="list-style-type: none"> - 14.5 Environmental hazards: - Marine pollutant: 	<p>Product contains environmentally hazardous substances: xylene No</p>
<ul style="list-style-type: none"> - 14.6 Special precautions for user - Danger code (Kemler): - EMS Number: 	<p>Warning: Flammable liquids. 30 F-E,S-E</p>
<ul style="list-style-type: none"> - 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code 	<p>Not applicable.</p>
<ul style="list-style-type: none"> - Transport/Additional information: - ADR - Limited quantities (LQ) - Excepted quantities (EQ) 	<p>5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml</p>
<ul style="list-style-type: none"> - Transport category - Tunnel restriction code 	<p>3 D/E</p>
<ul style="list-style-type: none"> - IMDG - Limited quantities (LQ) - Excepted quantities (EQ) 	<p>5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml</p>
<ul style="list-style-type: none"> - UN "Model Regulation": 	<p>UN1263, PAINT, 3, III</p>

SECTION 15: Regulatory information

<ul style="list-style-type: none"> - 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture - National regulations: - Other regulations, limitations and prohibitive regulations 	
<ul style="list-style-type: none"> - Substances of very high concern (SVHC) according to REACH, Article 57 	<p>25550-51-0 hexahydromethylphthalic anhydride</p>
<ul style="list-style-type: none"> - 15.2 Chemical safety assessment: 	<p>A Chemical Safety Assessment has not been carried out.</p>

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Relevant phrases	H225	Highly flammable liquid and vapour.
	H226	Flammable liquid and vapour.

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- 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.
- H330 Fatal if inhaled.
- H332 Harmful 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.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H411 Toxic to aquatic life with long lasting effects.
- R10 Flammable.
- R11 Highly flammable.
- R20 Harmful by inhalation.
- R20/21 Harmful by inhalation and in contact with skin.
- R23 Toxic by inhalation.
- R36 Irritating to eyes.
- R36/37/38 Irritating to eyes, respiratory system and skin.
- R37 Irritating to respiratory system.
- R41 Risk of serious damage to eyes.
- R42/43 May cause sensitisation by inhalation and skin contact.
- R43 May cause sensitisation by skin contact.
- R48 Danger of serious damage to health by prolonged exposure.
- R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R65 Harmful: may cause lung damage if swallowed.
- R66 Repeated exposure may cause skin dryness or cracking.
- R67 Vapours may cause drowsiness and dizziness.
- R68/20 Harmful: possible risk of irreversible effects through inhalation.

- Department issuing MSDS:
- Contact:
- Abbreviations and acronyms:

research & development
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 ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 VOC: Volatile Organic Compounds (USA, EU)
 DNEL: Derived No-Effect Level (REACH)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 Flam. Liq. 2: Flammable liquids, Hazard Category 2
 Flam. Liq. 3: Flammable liquids, Hazard Category 3
 Acute Tox. 4: Acute toxicity, Hazard Category 4
 Acute Tox. 2: Acute toxicity, Hazard Category 2
 Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
 Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1
 Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
 Resp. Sens. 1: Sensitisation - Respirat., Hazard Category 1
 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1
 Skin Sens. 1B: Sensitisation - Skin, Hazard Category 1B
 STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3
 STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2
 Asp. Tox. 1: Aspiration hazard, Hazard Category 1
 Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2
 Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

- * Data compared to the previous version altered.