

### Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Product Reference code:according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

SDS Ref. (EU): Z182-R-SDS

Issue date: 10/02/2022 Revision date: 10/02/2022 Supersedes version of: 10/02/2022 Version: 1.0

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

#### 1.1. Product identifier

Product form : Mixture

Trade name : ISOPON ZINC 182 RUST INHIBITING PRIMER

Product code : Z182/S, Z182/2.5, Z182/M

Type of product : Coating
Product group : 1K Primer

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

#### 1.2.1. Relevant identified uses

Intended for general public

Main use category : Industrial use, Professional use, Consumer use
Use of the substance/mixture : Coatings and paints, thinners, paint removers

Function or use category : Primer

#### 1.2.2. Uses advised against

No additional information available

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

Manufacturer Importer

U-POL Limited Ltd
U-POL Netherlands B.V. B.V.
Denington Road
Hoorgoorddreef 15
GB- NN8 2QH Wellingborough - Northamptonshire
NL- 1101BA Amsterdam

United Kingdom Netherlands T +44 (0) 1933 230310 T +31 20 240 2216

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#### 1.4. Emergency telephone number

Emergency number : CHEMTREC: +44 (0) 870 8200418 (24 hrs)

Country	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
United Kingdom	NHS England, Scotland & Wales	-	Call 111 or a Doctor	In Northern Ireland, contact your local GP or pharmacist during normal hours (www.gpoutofhours.h scni.net)

### **SECTION 2: Hazards identification**

## 2.1. Classification of the substance or mixture

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

Flammable liquids, Category 3 H226
Skin corrosion/irritation, Category 2 H315
Serious eye damage/eye irritation, Category 2 H319

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Specific target organ toxicity — Single exposure, Category 3, Respiratory H335

tract irritation

Specific target organ toxicity — Repeated exposure, Category 2 H373 Hazardous to the aquatic environment — Chronic Hazard, Category 2 H411

Full text of H- and EUH-statements: see section 16

#### Adverse physicochemical, human health and environmental effects

Flammable liquid and vapour. May cause damage to organs through prolonged or repeated exposure. May cause respiratory irritation. Causes skin irritation. Causes serious eye irritation. Toxic to aquatic life with long lasting effects.

#### 2.2. Label elements

Signal word (CLP)

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

Hazard pictograms (CLP)









GHS02

: Warning

Yylono

Contains : Xylene

Hazard statements (CLP) : H226 - Flammable liquid and vapour.

H315 - Causes skin irritation.

H319 - Causes serious eye irritation. H335 - May cause respiratory irritation.

H373 - May cause damage to organs through prolonged or repeated exposure.

H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (CLP) : P101 - If medical advice is needed, have product container or label at hand.

P102 - Keep out of reach of children.

P210 - Keep away from hot surfaces, heat, open flames, sparks. — No smoking.

P271 - Use only outdoors or in a well-ventilated area.

 ${\hbox{P280 - Wear face protection, protective clothing, protective gloves.}}\\$ 

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

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

P312 - Call a POISON CENTER or doctor/physician if you feel unwell.

P391 - Collect spillage. P405 - Store locked up.

P501 - Dispose of contents/container to hazardous or special waste collection point, in

accordance with local, regional, national and/or international regulation.

EUH-statements : EUH211 - Warning! Hazardous respirable droplets may be formed when sprayed. Do not

breathe spray or mist.

EUH208 - Contains cobalt(II) 2-ethylhexanoate, dipentene. May produce an allergic

reaction.

#### 2.3. Other hazards

Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

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

#### 3.1. Substances

Not applicable

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#### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Xylene substance with a Community workplace exposure limit (Note C)	CAS-No.: 1330-20-7 EC-No.: 215-535-7 EC Index-No.: 601-022-00-9 REACH-no: 01-2119488216- 32	10 – 50	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373 Asp. Tox. 1, H304
hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics	CAS-No.: 1174921-73-3 EC-No.: 927-241-2 REACH-no: 01-2119471843- 32	5 – 10	Flam. Liq. 3, H226 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 3, H412
trizinc bis(orthophosphate)	CAS-No.: 7779-90-0 EC-No.: 231-944-3 EC Index-No.: 030-011-00-6 REACH-no: 01-2119485044-	3 – 5	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm]	CAS-No.: 13463-67-7 EC-No.: 236-675-5 EC Index-No.: 022-006-00-2 REACH-no: 01-2119489379- 17	2.5 – 3	Carc. 2, H351
ethylbenzene substance with a Community workplace exposure limit	CAS-No.: 100-41-4 EC-No.: 202-849-4 EC Index-No.: 601-023-00-4 REACH-no: 01-2119489370- 35	1 – 2.5	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation), H332 STOT RE 2, H373 Asp. Tox. 1, H304
dipentene	CAS-No.: 138-86-3 EC-No.: 205-341-0 EC Index-No.: 601-029-00-7	0.3 – 1	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
cobalt(II) 2-ethylhexanoate	CAS-No.: 136-52-7 EC-No.: 205-250-6 REACH-no: 01-2119560574- 35	< 0.1	Eye Irrit. 2, H319 Skin Sens. 1A, H317 Repr. 1B, H360F Aquatic Acute 1, H400 Aquatic Chronic 3, H412

Note C: Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.

Full text of H- and EUH-statements: see section 16

## **SECTION 4: First aid measures**

### 4.1. Description of first aid measures

First-aid measures general : Call a poison center or a doctor if you feel unwell.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Call a poison center or a

doctor if you feel unwell.

First-aid measures after skin contact : Rinse skin with water/shower. Take off immediately all contaminated clothing. If skin

irritation occurs: Get medical advice/attention.

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First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy

to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects after inhalation : May cause respiratory irritation.

Symptoms/effects after skin contact : Irritation. Repeated exposure may cause skin dryness or cracking.

Symptoms/effects after eye contact : Eye irritation.

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

Treat symptomatically.

#### **SECTION 5: Firefighting measures**

#### 5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

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

Fire hazard : Flammable liquid and vapour. Hazardous decomposition products in case of fire : Toxic fumes may be released.

#### 5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained

breathing apparatus. Complete protective clothing.

#### **SECTION 6: Accidental release measures**

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

#### 6.1.1. For non-emergency personnel

Protective equipment : Safety glasses. Protective clothing. Gloves.

Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Do not breathe fume,

vapours. Avoid contact with skin and eyes.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information

refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment.

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

For containment : Collect spillage.

Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or

public waters.

Other information : Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

For further information refer to section 13.

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#### **SECTION 7: Handling and storage**

#### 7.1. Precautions for safe handling

Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Do not breathe fume, vapours. Use only outdoors or in a well-ventilated area.

Avoid contact with skin and eyes.

Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this

product. Always wash hands after handling the product.

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

Technical measures : Ground/bond container and receiving equipment.

Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

Storage temperature : < 25 °C

Storage area : Keep container in a well-ventilated place.

Special rules on packaging : Keep only in original container.

#### 7.3. Specific end use(s)

No additional information available

### **SECTION 8: Exposure controls/personal protection**

#### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

Xylene (1330-20-7)		
EU - Indicative Occupational Exposure Limit (IOEL)		
Local name	Xylene, mixed isomers, pure	
IOEL TWA	221 mg/m³	
IOEL TWA [ppm]	50 ppm	
IOEL STEL	442 mg/m³	
IOEL STEL [ppm]	100 ppm	
Remark	Skin	
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC	
Ireland - Occupational Exposure Limits		
Local name	Xylene, mixed isomers	
OEL TWA [1]	221 mg/m³	
OEL TWA [2]	50 ppm	
OEL STEL	442 mg/m³	
OEL STEL [ppm]	100 ppm	
Remark	Sk (Substances which have the capacity to penetrate intact skin when they come in contact with it, and be absorbed into the body), IOELV (Indicative Occupational Exposure Limit Values)	
Regulatory reference	Chemical Agents Code of Practice 2020	
Ireland - Biological limit values		
Local name	Xylene	

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Xylene (1330-20-7)		
BLV	1.5 g/g creatinine Parameter: methylhippuric acids - Medium: urine - Sampling time: End of Shift	
Regulatory reference	Biological Monitoring Guidelines (HSA, 2011)	
United Kingdom - Occupational Exposure Limits		
Local name	Xylene	
WEL TWA (OEL TWA) [1]	220 mg/m³	
WEL TWA (OEL TWA) [2]	50 ppm	
WEL STEL (OEL STEL)	441 mg/m³	
WEL STEL (OEL STEL) [ppm]	100 ppm	
Remark	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)	
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE	
United Kingdom - Biological limit values		
Local name	Xylene, o-, m-, p- or mixed isomers	
BMGV	650 mmol/mol Creatinine Parameter: methyl hippuric acid - Medium: urine - Sampling time: Post shift	
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE	
titanium dioxide; [in powder form containing	1 % or more of particles with aerodynamic diameter ≤ 10 μm] (13463-67-7)	
Ireland - Occupational Exposure Limits		
Local name	Titanium dioxide	
OEL TWA [1]	10 mg/m³ total inhalable dust 4 mg/m³ respirable dust	
Regulatory reference	Chemical Agents Code of Practice 2020	
United Kingdom - Occupational Exposure Limits		
Local name	Titanium dioxide	
WEL TWA (OEL TWA) [1]	10 mg/m³ 4 mg/m³	
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE	
cobalt(II) 2-ethylhexanoate (136-52-7)		
United Kingdom - Occupational Exposure Limits		
WEL TWA (OEL TWA) [1]	0.1 mg/m³	
ethylbenzene (100-41-4)		
EU - Indicative Occupational Exposure Limit (IOEL)		
Local name	Ethylbenzene	
IOEL TWA	442 mg/m³	
IOEL TWA [ppm]	100 ppm	
IOEL STEL	884 mg/m³	
IOEL STEL [ppm]	200 ppm	
Remark	Skin	
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC	

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ethylbenzene (100-41-4)		
Ireland - Occupational Exposure Limits		
Local name	Ethylbenzene	
OEL TWA [1]	442 mg/m³	
OEL TWA [2]	100 ppm	
OEL STEL	884 mg/m³	
OEL STEL [ppm]	200 ppm	
Remark	Sk (Substances which have the capacity to penetrate intact skin when they come in contact with it, and be absorbed into the body), IOELV (Indicative Occupational Exposure Limit Values)	
Regulatory reference	Chemical Agents Code of Practice 2020	
Ireland - Biological limit values		
Local name	Ethyl benzene	
BLV	0.7 g/g creatinine Parameter: mandelic acid and phenylglyoxylic acid - Medium: urine - Sampling time: End of shift at end of workweek - Notations: Ns (Non-specific), Sq (Semi-quantitative) Parameter: ethylbenzene - Medium: end-exhaled air - Sampling time: Not critical - Notations: Sq (Semi-quantitative)	
Regulatory reference	Biological Monitoring Guidelines (HSA, 2011)	
United Kingdom - Occupational Exposure Limits		
Local name	Ethylbenzene	
WEL TWA (OEL TWA) [1]	441 mg/m³	
WEL TWA (OEL TWA) [2]	100 ppm	
WEL STEL (OEL STEL)	552 mg/m³	
WEL STEL (OEL STEL) [ppm]	125 ppm	
Remark	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)	
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE	

#### 8.1.2. Recommended monitoring procedures

No additional information available

### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics		
DNEL/DMEL (Workers)		
Acute - systemic effects, dermal 2 mg/kg bodyweight/day		
Acute - systemic effects, inhalation	7 mg/m³	
DNEL/DMEL (General population)		
Acute - systemic effects, dermal	1 mg/kg bodyweight	
Acute - systemic effects, inhalation	2 mg/m³	

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Xylene (1330-20-7)			
DNEL/DMEL (Workers)			
Acute - systemic effects, inhalation	289 mg/m³		
Acute - local effects, inhalation	289 mg/m³		
Long-term - systemic effects, dermal	180 mg/kg bodyweight/day		
Long-term - systemic effects, inhalation	77 mg/m³		
Long-term - local effects, inhalation	77 mg/m³		
DNEL/DMEL (General population)			
Acute - systemic effects, inhalation	174 mg/m³		
Acute - local effects, inhalation	174 mg/m³		
Long-term - systemic effects,oral	1.6 mg/kg bodyweight/day		
Long-term - systemic effects, inhalation	14.8 mg/m³		
Long-term - systemic effects, dermal	108 mg/kg bodyweight/day		
Long-term - local effects, inhalation	65.3 mg/m³		
PNEC (Water)			
PNEC aqua (freshwater)	0.327 mg/l		
PNEC aqua (marine water)	0.327 mg/l		
PNEC aqua (intermittent, freshwater)	0.327 mg/l		
PNEC (Sediment)			
PNEC sediment (freshwater)	12.46 mg/kg dwt		
PNEC sediment (marine water)	12.46 mg/kg dwt		
PNEC (Soil)			
PNEC soil	2.31 mg/kg dwt		
PNEC (STP)			
PNEC sewage treatment plant	6.58 mg/l		
cobalt(II) 2-ethylhexanoate (136-52-7)			
DNEL/DMEL (Workers)			
Long-term - local effects, inhalation	235.1 μg/m³		
DNEL/DMEL (General population)	DNEL/DMEL (General population)		
Long-term - systemic effects,oral	55.8 µg/kg bodyweight/day		
Long-term - local effects, inhalation	37 μg/m³		
PNEC (Water)			
PNEC aqua (freshwater)	0.6 μg/l		
PNEC aqua (marine water)	2.36 µg/l		
PNEC (Sediment)			
PNEC sediment (freshwater)	9.5 mg/kg dwt		
PNEC sediment (marine water)	9.5 mg/kg dwt		
PNEC (Soil)			
PNEC soil	10.9 mg/kg dwt		
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cobalt(II) 2-ethylhexanoate (136-52-7)		
PNEC (STP)		
PNEC sewage treatment plant	0.37 mg/l	
dipropylene glycol monomethyl ether (34590-	94-8)	
DNEL/DMEL (Workers)		
Long-term - systemic effects, dermal	283 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	308 mg/m³	
DNEL/DMEL (General population)		
Long-term - systemic effects,oral	36 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	37.2 mg/m³	
Long-term - systemic effects, dermal	121 mg/kg bodyweight/day	
PNEC (Water)		
PNEC aqua (freshwater)	19 mg/l	
PNEC aqua (marine water)	1.9 mg/l	
PNEC aqua (intermittent, freshwater)	190 mg/l	
PNEC (Sediment)		
PNEC sediment (freshwater)	70.2 mg/kg dwt	
PNEC sediment (marine water)	7.02 mg/kg dwt	
PNEC (Soil)		
PNEC soil	2.74 mg/kg dwt	
PNEC (STP)		
PNEC sewage treatment plant	4168 mg/l	
ethylbenzene (100-41-4)		
DNEL/DMEL (Workers)		
Acute - local effects, inhalation	293 mg/m³	
Long-term - systemic effects, dermal	180 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	77 mg/m³	
DNEL/DMEL (General population)		
Long-term - systemic effects,oral	1.6 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	15 mg/m³	
PNEC (Water)		
PNEC aqua (freshwater)	0.1 mg/l	
PNEC aqua (marine water)	0.01 mg/l	
PNEC aqua (intermittent, freshwater)	0.1 mg/l	
PNEC (Sediment)		
PNEC sediment (freshwater)	13.7 mg/kg dwt	
PNEC sediment (marine water)	1.37 mg/kg dwt	
PNEC (Soil)		
PNEC soil	2.68 mg/kg dwt	

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ethylbenzene (100-41-4)		
PNEC (Oral)		
PNEC oral (secondary poisoning) 0.02 g/kg food		
PNEC (STP)		
PNEC sewage treatment plant	9.6 mg/l	

#### 8.1.5. Control banding

No additional information available

#### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

#### 8.2.2. Personal protection equipment

#### Personal protective equipment symbol(s):







### 8.2.2.1. Eye and face protection

#### Eye protection:

Safety glasses

#### 8.2.2.2. Skin protection

#### Skin and body protection:

Wear suitable protective clothing

#### Hand protection:

Protective gloves

#### Other skin protection

### Materials for protective clothing:

Impermeable clothing

#### 8.2.2.3. Respiratory protection

#### Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection.

#### 8.2.2.4. Thermal hazards

No additional information available

#### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

## **SECTION 9: Physical and chemical properties**

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

Physical state : Liquid
Appearance : Liquid.
Colour : Grey.
Odour : Xylenes.
Odour threshold : No data available

: No data available

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Relative evaporation rate (butylacetate=1) : No data available Melting point : No data available Freezing point : No data available No data available Boiling point Flash point No data available Auto-ignition temperature No data available Decomposition temperature No data available Flammability (solid, gas) : No data available Vapour pressure : No data available Relative vapour density at 20 °C : No data available Relative density : No data available : 1.23 (1.21 - 1.25) g/cm<sup>3</sup> Density

Solubility : insoluble in water. soluble in most organic solvents.

Partition coefficient n-octanol/water (Log Pow) : No data available Viscosity, kinematic : No data available Viscosity, dynamic : 525 (450 – 600) cP Explosive properties : No data available Oxidising properties : No data available

Explosive limits :

#### 9.2. Other information

VOC content : 483 g/l

#### **SECTION 10: Stability and reactivity**

#### 10.1. Reactivity

Flammable liquid and vapour.

#### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

### 10.5. Incompatible materials

No additional information available

#### 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 toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics (1174921-73-3)		
LD50 oral rat	> 5000 mg/kg	
LD50 dermal rabbit	> 5000 mg/kg	
LC50 Inhalation - Rat (Vapours)	> 4.951 mg/l/4h (OECD Guideline 403 (Acute Inhalation Toxicity), 4h, rat, male/female, inhalation (vapours))	

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dipentene (138-86-3)			
LD50 oral rat	5300 mg/kg (Rat, Literature study, Oral)		
LD50 dermal rabbit	> 5000 mg/kg (Rabbit, Literature study, Dermal)		
barium sulfate (7727-43-7)			
LD50 oral rat	> 5000 mg/kg (Equivalent or similar to OECD 401, Rat, Male, Experimental value, Oral, 14 day(s))		
LD50 dermal rat	> 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, Rat, Read-across, Dermal)		
zirconium 2-ethylhexanoate (22464-99-9)			
LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method), Guideline: EU Method B.1 tris (Acute Oral Toxicity - Acute Toxic Class Method)		
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)		
carbon black (1333-86-4)			
LD50 oral rat	> 8000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)		
LC50 Inhalation - Rat	> 4.6 mg/l air (Equivalent or similar to OECD 403, 4 h, Rat, Experimental value, Inhalation (dust))		
trizinc bis(orthophosphate) (7779-90-0)			
LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)		
LC50 Inhalation - Rat	> 5.41 mg/l/4h (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male/female, Read-across, Inhalation (dust))		
calcium isononanoate (53988-05-9)			
LD50 oral rat	1160 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Readacross, Oral)		
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal))		
hydrocarbons, C10-C13, n-alkanes, isoalkane	s, cyclics, < 2% aromatics		
LD50 oral rat	> 5000 mg/kg (OECD Guideline 401 (Acute Oral Toxicity), rat, male/female)		
LD50 dermal rabbit	> 5000 mg/kg (OECD Guideline 402 (Acute Dermal Toxicity), rat, male/female)		
LC50 Inhalation - Rat	> 5000 mg/m³ (OECD Guideline 403 (Acute Inhalation Toxicity), 8h, rat, male, vapours)		
quartz (14808-60-7)			
LD50 oral rat	> 500 mg/kg		
Xylene (1330-20-7)	Xylene (1330-20-7)		
LD50 oral rat	3523 mg/kg bodyweight (Equivalent or similar to EU Method B.1: Acute Toxicity (Oral), Rat, Male, Experimental value, Oral, 14 day(s))		
LD50 dermal rat	12126 mg/kg (Non-GLP, read-across from supporting substance, single dermal dose under occlusion followed by observation for 14 days)		
LD50 dermal rabbit	12126 mg/kg bodyweight Animal: rabbit, Animal sex: male		
LC50 Inhalation - Rat [ppm]	6700 ppm/4h (EU Method B.2 (Acute Toxicity (Inhalation)), 4h, rat, male)		

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resin acids and rosin acids, esters with	n glycerol (8050-31-5)
LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal))
titanium dioxide; [in powder form conta	aining 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (13463-67-7)
LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 425 (Acute Oral Toxicity: Up-and-Down Procedure), Guideline: EPA OPPTS 870.1100 (Acute Oral Toxicity)
LC50 Inhalation - Rat	> 6.82 mg/l (Other, 4 h, Rat, Male, Experimental value, Inhalation (dust), 14 day(s))
cobalt(II) 2-ethylhexanoate (136-52-7)	
LD50 oral rat	3129 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 425 (Acute Oral Toxicity: Up-and-Down Procedure), 95% CL: 1750 - 5000
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
dipropylene glycol monomethyl ether (	34590-94-8)
LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rat	> 19020 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 dermal rabbit	9510 mg/kg bodyweight Animal: rabbit, Animal sex: male, Guideline: OECD Guideline 40 (Acute Dermal Toxicity)
(112926-00-8)	
LD50 oral rat	> 5000 mg/kg (OECD Test Guideline 401, rat)
ethylbenzene (100-41-4)	
LD50 oral rat	3500 mg/kg (Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit	15432 mg/kg bodyweight (24 h, Rabbit, Male, Experimental value, Dermal)
LC50 Inhalation - Rat	17.8 mg/l (4 h, Rat, Male, Experimental value, Inhalation (vapours))
Calcium carbonate (1317-65-3)	
LD50 oral rat	6450 mg/kg (Rat, Literature study, Oral)
calcium carbonate (471-34-1)	
LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 420 (Acute Oral Toxicity - Fixed Dose Method), Guideline: EU Method B.1 bis (Acute Oral Toxicity - Fixed Dose Procedure)
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal))
LC50 Inhalation - Rat	> 3 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Guideline: EU Method B.2 (Acute Toxicity (Inhalation)), Guideline: EPA OPPTS 870.1300 (Acute inhalation toxicity)
LC50 Inhalation - Rat (Dust/Mist)	> 3 mg/l/4h (4 h, OECD Guidelines 403 (Acute Toxicity Inhalation), rat, male/female, Experimental value)
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation Respiratory or skin sensitisation	Causes serious eye irritation.     Not classified
Germ cell mutagenicity	: Not classified

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Carcinogenicity : Not classified.				
Xylene (1330-20-7)				
IARC group	3 - Not classifiable			
titanium dioxide; [in powder form containing	titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (13463-67-7)			
IARC group 2B - Possibly carcinogenic to humans				
ethylbenzene (100-41-4)				
IARC group	2B - Possibly carcinogenic to humans			
barium sulfate (7727-43-7)				
NOAEL (chronic, oral, animal/male, 2 years)	60 mg/kg bodyweight Animal: rat, Animal sex: male, Remarks on results: other:Effect type: carcinogenicity (migrated information)			
NOAEL (chronic, oral, animal/female, 2 years)	75 mg/kg bodyweight Animal: rat, Animal sex: female, Remarks on results: other:Effect type: carcinogenicity (migrated information)			
Reproductive toxicity :	Not classified			
calcium isononanoate (53988-05-9)				
LOAEL (animal/female, F0/P)	165 – 500 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 415 (One-Generation Reproduction Toxicity Study)			
NOAEL (animal/female, F0/P)	79 – 228 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 415 (One-Generation Reproduction Toxicity Study)			
STOT-single exposure :	May cause respiratory irritation.			
hydrocarbons, C9-C10, n-alkanes, isoalkanes	, cyclics, <2% aromatics (1174921-73-3)			
STOT-single exposure	May cause drowsiness or dizziness.			
Xylene (1330-20-7)				
STOT-single exposure	May cause respiratory irritation.			
STOT-repeated exposure :	May cause damage to organs through prolonged or repeated exposure.			
zirconium 2-ethylhexanoate (22464-99-9)				
NOAEL (subchronic, oral, animal/male, 90 days)	180 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: other:TSCA (1992) health Effects Testing Guidelines for Subchronic Oral Toxicity Studies. Title 40, CFR 798. 2650.			
NOAEL (subchronic, oral, animal/female, 90 days)	205 mg/kg bodyweight Animal: mouse, Animal sex: female, Guideline: other:TSCA (1992) health Effects Testing Guidelines for Subchronic Oral Toxicity Studies. Title 40, CFR 798. 2650.			
calcium isononanoate (53988-05-9)				
LOAEL (oral, rat, 90 days)	200 mg/kg bodyweight Animal: rat, Guideline: EU Method B.7 (Repeated Dose (28 Days) Toxicity (Oral)), Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity in Rodents)			
Xylene (1330-20-7)	Xylene (1330-20-7)			
LOAEL (oral, rat, 90 days)	150 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), Guideline: EPA OPP 82-1 (90-Day Oral Toxicity)			
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.			
dipropylene glycol monomethyl ether (34590-	94-8)			
NOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight Animal: rat, Guideline: other:KANPOGYO No.700, YAKUHATSU No. 1039.61, and KIKYKU No. 1014.			

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dipropylene glycol monomethyl ether (34590-94-8)			
NOAEL (dermal, rat/rabbit, 90 days)	2850 mg/kg bodyweight Animal: rabbit, Animal sex: male, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)		
ethylbenzene (100-41-4)			
NOAEL (oral, rat, 90 days)	75 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90- Day Oral Toxicity in Rodents)		
STOT-repeated exposure	May cause damage to organs (hearing sense) through prolonged or repeated exposure.		
calcium carbonate (471-34-1)			
NOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)		
Aspiration hazard	: Not classified		

## **SECTION 12: Ecological information**

## 12.1. Toxicity

: Toxic to aquatic life with long lasting effects. Ecology - general

: Not classified Hazardous to the aquatic environment, short-term

: Toxic to aquatic life with long lasting effects. Hazardous to the aquatic environment, long-term

(chronic)			
hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics (1174921-73-3)			
LC50 - Fish [1]	10 – 100 mg/l		
EC50 72h - Algae [1]	> 100 mg/l		
NOEC chronic fish	1 mg/l		
dipentene (138-86-3)			
LC50 - Fish [1]	0.545 mg/l (ECOSAR, 96 h, QSAR)		
EC50 96h - Algae [1]	0.719 mg/l (ECOSAR, Algae, QSAR)		
trizinc bis(orthophosphate) (7779-90-0)			
LC50 - Fish [1]	0.169 mg/l (ASTM E729-88, 96 h, Oncorhynchus mykiss, Static system, Fresh water, Read-across, Nominal concentration)		
Xylene (1330-20-7)			
LC50 - Fish [1]	2.6 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)		
EC50 - Crustacea [1]	> 3.4 mg/l Test organisms (species): Ceriodaphnia dubia		
EC50 72h - Algae [1]	2.2 mg/l		
ErC50 algae	4.36 mg/l (OECD 201: Alga, Growth Inhibition Test, 73 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)		
NOEC chronic fish	> 1.3 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '56 d'		
titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm] (13463-67-7)			
LC50 - Fish [1]	155 mg/l Test organisms (species): other:Japanese Medaka		
EC50 - Crustacea [1]	19.3 mg/l Test organisms (species): Daphnia magna		
EC50 - Crustacea [2]	27.8 mg/l Test organisms (species): Daphnia magna		

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titanium dioxide; [in powder form containing	1 % or more of particles with aerodynamic diameter ≤ 10 μm] (13463-67-7)	
EC50 72h - Algae [1]	> 100 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)	
ErC50 algae	61 mg/l (EPA 600/9-78-018, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Nominal concentration)	
NOEC (chronic)	≥ 2.92 mg/l Test organisms (species): Daphnia magna Duration: '21 d'	
cobalt(II) 2-ethylhexanoate (136-52-7)		
LC50 - Fish [1]	1.512 mg/l (ASTM, 96 h, Oncorhynchus mykiss, Flow-through system, Fresh water, Readacross)	
LC50 - Fish [2]	54.1 mg/l (ASTM, 96 h, Pimephales promelas, Flow-through system, Fresh water, Readacross)	
EC50 - Other aquatic organisms [1]	1703 mg/kg dwt (ASTM, 28 day(s), Tubifex tubifex, Semi-static system, Fresh water, Read-across, Reproduction)	
ErC50 algae	144 μg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Read-across, GLP)	
NOEC chronic crustacea	0.608 mg/l (21 d, Daphnia magna (Water flea), reproduction rate, OECD Test Guideline 211)	
ethylbenzene (100-41-4)		
LC50 - Fish [1]	5.1 mg/l Test organisms (species): Menidia menidia	
EC50 - Crustacea [1]	1.8 – 2.4 mg/l (US EPA, 48 h, Daphnia magna, Static system, Fresh water, Experimental value)	
EC50 72h - Algae [1]	4.9 mg/l Test organisms (species): Skeletonema costatum	
EC50 72h - Algae [2]	5.4 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)	
EC50 96h - Algae [1]	7.7 mg/l Test organisms (species): Skeletonema costatum	
EC50 96h - Algae [2]	3.6 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)	
LOEC (chronic)	1.7 mg/l Test organisms (species): Ceriodaphnia dubia Duration: '7 d'	
NOEC (chronic)	0.96 mg/l Test organisms (species): Ceriodaphnia dubia Duration: '7 d'	

## 12.2. Persistence and degradability

dipentene (138-86-3)			
Persistence and degradability	Biodegradable in the soil. Biodegradable in water. Not easily biodegradable in water in anaerobic conditions.		
ThOD	3.29 g O <sub>2</sub> /g substance		
trizinc bis(orthophosphate) (7779-90-0)			
Persistence and degradability	Biodegradability: not applicable.		
Chemical oxygen demand (COD)	Not applicable		
ThOD	Not applicable		
BOD (% of ThOD)	Not applicable		
Xylene (1330-20-7)			
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.		

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titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm] (13463-67-7)				
rsistence and degradability Biodegradability: not applicable.				
Chemical oxygen demand (COD)	Not applicable (inorganic)			
ThOD	Not applicable (inorganic)			
cobalt(II) 2-ethylhexanoate (136-52-7)				
Persistence and degradability	Readily biodegradable in water.			
ethylbenzene (100-41-4)				
Persistence and degradability Biodegradable in the soil. Readily biodegradable in water.				
Biochemical oxygen demand (BOD)	1.44 g O₂/g substance			
Chemical oxygen demand (COD)	2.1 g O₂/g substance			
ThOD	3.17 g O <sub>2</sub> /g substance			

## 12.3. Bioaccumulative potential

dipentene (138-86-3)			
CF - Other aquatic organisms [1] 917 – 931 (BCFBAF v3.00, QSAR)			
Partition coefficient n-octanol/water (Log Pow)	4.57 (Experimental value)		
Bioaccumulative potential	Potential for bioaccumulation (4 ≥ Log Kow ≤ 5).		
trizinc bis(orthophosphate) (7779-90-0)			
BCF - Other aquatic organisms [1]	116 – 60960 (21 day(s), Gammarus sp., Semi-static system, Salt water, Read-across, Fresh weight)		
Bioaccumulative potential	High potential for bioaccumulation (BCF > 5000).		
Xylene (1330-20-7)			
BCF - Fish [1]	7.2 – 25.9 (56 day(s), Oncorhynchus mykiss, Flow-through system, Fresh water, Readacross)		
Partition coefficient n-octanol/water (Log Pow)	3.2 (Read-across, 20 °C)		
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).		
titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm] (13463-67-7)			
Bioaccumulative potential Not bioaccumulative.			
cobalt(II) 2-ethylhexanoate (136-52-7)			
BCF - Fish [1]	1.2 (131 day(s), Seriola quinqueradiata, Static system, Salt water, Read-across, Fresh weight)		
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).		
ethylbenzene (100-41-4)			
BCF - Fish [1]	1 (6 week(s), Oncorhynchus kisutch, Flow-through system, Salt water, Experimental value)		
Partition coefficient n-octanol/water (Log Pow)	3.6 (Experimental value, EU Method A.8: Partition Coefficient, 20 °C)		
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).		

## 12.4. Mobility in soil

dipentene (138-86-3)	
Surface tension	0.026 N/m (20 °C)

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dipentene (138-86-3)			
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	3.049 – 3.801 (log Koc, SRC PCKOCWIN v2.0, QSAR)		
Ecology - soil	Low potential for mobility in soil.		
trizinc bis(orthophosphate) (7779-90-0)			
Ecology - soil	Adsorbs into the soil.		
Xylene (1330-20-7)			
Surface tension	28.01 – 29.76 mN/m (25 °C)		
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.73 (log Koc, Equivalent or similar to OECD 121, Read-across)		
Ecology - soil	Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation.		
titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm] (13463-67-7)			
Ecology - soil	Low potential for mobility in soil.		
cobalt(II) 2-ethylhexanoate (136-52-7)			
Surface tension	64 mN/m (20 °C, 1 g/l, OECD 115: Surface Tension of Aqueous Solutions)		
Ecology - soil	No (test)data on mobility of the substance available.		
ethylbenzene (100-41-4)			
Surface tension	71.2 mN/m (23 °C, 0.058 g/l, EU Method A.5: Surface tension)		
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.71 (log Koc, PCKOCWIN v1.66, QSAR)		
Ecology - soil	Low potential for adsorption in soil. Toxic to soil organisms.		

## 12.5. Results of PBT and vPvB assessment

Component	
Xylene (1330-20-7)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
trizinc bis(orthophosphate) (7779-90-0)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (13463-67-7)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
ethylbenzene (100-41-4)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
dipentene (138-86-3)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
cobalt(II) 2-ethylhexanoate (136-52-7)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

### 12.6. Other adverse effects

No additional information available

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#### **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Additional information : Flammable vapours may accumulate in the container.

## **SECTION 14: Transport information**

In accordance with ADR / IMDG / IATA / ADN / RID

#### 14.1 UN number

 UN-No. (ADR)
 : UN 1263

 UN-No. (IMDG)
 : UN 1263

 UN-No. (IATA)
 : UN 1263

 UN-No. (ADN)
 : UN 1263

 UN-No. (RID)
 : UN 1263

#### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : PAINT
Proper Shipping Name (IMDG) : PAINT
Proper Shipping Name (IATA) : Paint
Proper Shipping Name (ADN) : PAINT
Proper Shipping Name (RID) : PAINT

Transport document description (ADR) : UN 1263 PAINT, 3, III, (D/E), ENVIRONMENTALLY HAZARDOUS

Transport document description (IMDG) : UN 1263 PAINT, 3, III, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS

Transport document description (IATA)

: UN 1263 Paint, 3, III, ENVIRONMENTALLY HAZARDOUS

Transport document description (ADN)

: UN 1263 PAINT, 3, III, ENVIRONMENTALLY HAZARDOUS

Transport document description (RID)

: UN 1263 PAINT, 3, III, ENVIRONMENTALLY HAZARDOUS

### 14.3. Transport hazard class(es)

## ADR

Transport hazard class(es) (ADR) : 3

Danger labels (ADR)



## IMDG

Transport hazard class(es) (IMDG) : 3
Danger labels (IMDG) : 3



#### IATA

Transport hazard class(es) (IATA) : 3
Danger labels (IATA) : 3



#### ADN

Transport hazard class(es) (ADN) : 3

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Danger labels (ADN) : 3

RID

Transport hazard class(es) (RID) : 3
Danger labels (RID) : 3



#### 14.4. Packing group

Packing group (ADR) : III
Packing group (IMDG) : III
Packing group (IATA) : III
Packing group (ADN) : III
Packing group (RID) : III

#### 14.5. Environmental hazards

Dangerous for the environment : Yes
Marine pollutant : Yes

Other information : No supplementary information available

#### 14.6. Special precautions for user

#### **Overland transport**

Classification code (ADR) : F1

Special provisions (ADR) : 163, 367, 650

Limited quantities (ADR) : 5I

Excepted quantities (ADR) : E1

Packing instructions (ADR) : P001, IBC03, LP01, R001

Special packing provisions (ADR) : PP1
Mixed packing provisions (ADR) : MP19
Portable tank and bulk container instructions (ADR) : T2
Portable tank and bulk container special provisions : TP1, TP29

(ADR)

Tank code (ADR) : LGBF
Vehicle for tank carriage : FL
Transport category (ADR) : 3
Special provisions for carriage - Packages (ADR) : V12
Special provisions for carriage - Operation (ADR) : S2

Hazard identification number (Kemler No.) : 30
Orange plates :

30 1263

Tunnel restriction code (ADR) : D/E EAC code : •3YE

#### Transport by sea

Special provisions (IMDG) : 163, 223, 367, 955

Limited quantities (IMDG) : 5 L

Excepted quantities (IMDG) : E1

Packing instructions (IMDG) : P001, LP01

Special packing provisions (IMDG) : PP1

IBC packing instructions (IMDG) : IBC03

Tank instructions (IMDG) : T2

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Tank special provisions (IMDG) : TP1, TP29
EmS-No. (Fire) : F-E
EmS-No. (Spillage) : S-E
Stowage category (IMDG) : A

Properties and observations (IMDG) : Miscibility with water depends upon the composition.

#### Air transport

PCA Excepted quantities (IATA) : E1 PCA Limited quantities (IATA) : Y344 : 10L PCA limited quantity max net quantity (IATA) PCA packing instructions (IATA) : 355 : 60L PCA max net quantity (IATA) : 366 CAO packing instructions (IATA) CAO max net quantity (IATA) : 220L Special provisions (IATA) : A3, A72, A192

ERG code (IATA) : 3L

#### Inland waterway transport

Classification code (ADN) : F1

Special provisions (ADN) : 163, 367, 650

Limited quantities (ADN) : 5 L

Excepted quantities (ADN) : E1

Equipment required (ADN) : PP, EX, A

Ventilation (ADN) : VE01

Number of blue cones/lights (ADN) : 0

#### Rail transport

Classification code (RID) : F1

Special provisions (RID) : 163, 367, 650

Limited quantities (RID) : 5L Excepted quantities (RID) : E1

Packing instructions (RID) : P001, IBC03, LP01, R001

Special packing provisions (RID) : PP1
Mixed packing provisions (RID) : MP19
Portable tank and bulk container instructions (RID) : T2
Portable tank and bulk container special provisions : TP1, TP29

(RID)

Tank codes for RID tanks (RID) : LGBF
Transport category (RID) : 3
Special provisions for carriage – Packages (RID) : W12
Colis express (express parcels) (RID) : CE4
Hazard identification number (RID) : 30

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

Not applicable

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### **SECTION 15: Regulatory information**

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

#### 15.1.1. EU-Regulations

EU restriction list (REACH Annex XVII)		
Reference code	Applicable on	Entry title or description
3(a)	ISOPON ZINC 182 RUST INHIBITING PRIMER; Xylene; ethylbenzene; hydrocarbons, C9-C10, n- alkanes, isoalkanes, cyclics, <2% aromatics; dipentene	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F
3(b)	ISOPON ZINC 182 RUST INHIBITING PRIMER; Xylene; ethylbenzene; hydrocarbons, C9-C10, n- alkanes, isoalkanes, cyclics, <2% aromatics; dipentene	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10
3(c)	ISOPON ZINC 182 RUST INHIBITING PRIMER; hydrocarbons, C9-C10, n- alkanes, isoalkanes, cyclics, <2% aromatics; dipentene	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1
40.	Xylene; ethylbenzene; hydrocarbons, C9-C10, n- alkanes, isoalkanes, cyclics, <2% aromatics; dipentene	Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

VOC content : 483 g/l

#### 15.1.2. National regulations

No additional information available

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

### **SECTION 16: Other information**

Indication of changes			
Section Changed item Change Comments			
	Supersedes	Modified	
	Revision date	Modified	
2.2	Precautionary statements (CLP)	Modified	

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Indication of changes				
Section	Changed item	Change	Comments	
3	Composition/information on ingredients	Modified		
9.2	VOC content	Modified		
15.1	VOC content	Modified		

Abbreviations and acronyms:		
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways	
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road	
ATE	Acute Toxicity Estimate	
BCF	Bioconcentration factor	
BLV	Biological limit value	
BOD	Biochemical oxygen demand (BOD)	
COD	Chemical oxygen demand (COD)	
DMEL	Derived Minimal Effect level	
DNEL	Derived-No Effect Level	
EC-No.	European Community number	
EC50	Median effective concentration	
EN	European Standard	
IARC	International Agency for Research on Cancer	
IATA	International Air Transport Association	
IMDG	International Maritime Dangerous Goods	
LC50	Median lethal concentration	
LD50	Median lethal dose	
LOAEL	Lowest Observed Adverse Effect Level	
NOAEC	No-Observed Adverse Effect Concentration	
NOAEL	No-Observed Adverse Effect Level	
NOEC	No-Observed Effect Concentration	
OECD	Organisation for Economic Co-operation and Development	
OEL	Occupational Exposure Limit	
PBT	Persistent Bioaccumulative Toxic	
PNEC	Predicted No-Effect Concentration	
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail	
SDS	Safety Data Sheet	
STP	Sewage treatment plant	
ThOD	Theoretical oxygen demand (ThOD)	
TLM	Median Tolerance Limit	
VOC	Volatile Organic Compounds	
CAS-No.	Chemical Abstract Service number	
N.O.S.	Not Otherwise Specified	

# Safety Data Sheet

Abbreviations and acronyms:	
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties

Full text of H- and EUH-statements:		
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4	
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4	
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1	
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic 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	
Asp. Tox. 1	Aspiration hazard, Category 1	
Carc. 2	Carcinogenicity, Category 2	
EUH208	Contains cobalt(II) 2-ethylhexanoate, dipentene. May produce an allergic reaction.	
EUH211	Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
Flam. Liq. 2	Flammable liquids, Category 2	
Flam. Liq. 3	Flammable liquids, Category 3	
H225	Highly flammable liquid and vapour.	
H226	Flammable liquid and vapour.	
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.	
H319	Causes serious eye irritation.	
H332	Harmful if inhaled.	
H335	May cause respiratory irritation.	
H336	May cause drowsiness or dizziness.	
H351	Suspected of causing cancer.	
H360F	May damage fertility.	
H373	May cause damage to organs through prolonged or repeated exposure.	
H400	Very toxic to aquatic life.	
H410	Very toxic to aquatic life with long lasting effects.	
H411	Toxic to aquatic life with long lasting effects.	
H412	Harmful to aquatic life with long lasting effects.	
Repr. 1B	Reproductive toxicity, Category 1B	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	
Skin Sens. 1	Skin sensitisation, Category 1	
Skin Sens. 1A	Skin sensitisation, category 1A	
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2	

### Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Full text of H- and EUH-statements:	
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation

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