

# Safety data sheets Ferney Group BV

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

### 1.1. Product identifier

Productname	<b>Kelfort ® Polysoft 1,5KG WIT</b>
Article number	1516236
Producttype	Mixture
Regulation	(EC) No. 1907/2006 and (EC) No. 1272/2008

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

Recommended use	Fillers, putties, plasters, modelling clay
Uses advised against	None known

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

**Distributeur** Ferney Group BV  
Postbus 24  
1700 AA Heerhugowaard – The Netherlands  
T +31 (0)72-5765000 - F +31 (0)72-5765010  
[bedrijfsbureau@ferneygroup.nl](mailto:bedrijfsbureau@ferneygroup.nl) - [www.ferney.nl](http://www.ferney.nl)

### 1.4 Emergency telephone number

Noodtelefoon : +49(0)9366-907126 (ma-do 7.15-18.00 hour) or  
: +31(0)88-7558000 (after worktime, exclusive use for doctors, pharmacists and government institutions)

Country	Organisation/ Company	Address	Emergency number	Comments
The Netherlands	National Poisons Information Center	House post number B.00.118 PO Box 85500 3508 GA Utrecht	+31 88 755 80 00	For the sole purpose of informing healthcare professionals in the event of acute poisoning

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## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 2 - (H319)
Skin sensitisation	Category 1A - (H317)
Reproductive toxicity	Category 2 - (H361)
Specific target organ toxicity — repeated exposure	Category 1 - (H372)
Flammable liquids	Category 3 - (H226)

### 2.2. Label elements

Contains Styrene, Maleic anhydride, Cobalt bis(2-ethylhexanoate)



**Signal word**  
Danger

#### Hazard statements

H315 - Causes skin irritation.  
H317 - May cause an allergic skin reaction.  
H319 - Causes serious eye irritation.  
H361d - Suspected of damaging the unborn child.  
H372 - Causes damage to organs through prolonged or repeated exposure.  
H226 - Flammable liquid and vapour.

#### Precautionary Statements - EU (§28, 1272/2008)

P101 - If medical advice is needed, have product container or label at hand  
P102 - Keep out of reach of children  
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking  
P280 - Wear protective gloves/protective clothing/eye protection/face protection  
P405 - Store locked up  
P501 - Dispose of contents/ container to an approved waste disposal plant

#### Additional information

This product requires tactile warnings if supplied to the general public. This product requires child resistant fastenings if supplied to the general public.

### 2.3. Other hazards

Harmful to aquatic life.

#### PBT & vPvB

This mixture contains no substance considered to be persistent, bioaccumulating or toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

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## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not applicable

### 3.2 Mixtures

Chemical name	EC No	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	REACH registration number
Styrene	202-851-5	100-42-5	10 - <20	STOT RE 1 (H372) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Repr. 2 (H361d) Acute Tox. 4 (H332)	-	01-2119457861-32-XXXX

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				Flam Liq. 3 (H226) Asp. Tox. 1 (H304) STOT SE 3 (H335) Aquatic Chronic 3 (H412)		
Reaction mass of ethylbenzene and m-xylene and p-xylene	905-562-9	RR-93095-0	1 - <3	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Acute Tox. 4 (H312) Acute Tox. 4 (H332) SE 3 (H335) STOT RE 2 (H373) Asp. Tox. 1 (H304) Flam. Liq. 3 (H226)	-	01-2119488216- 32-XXXX
Titanium dioxide	236-675-5	13463-67-7	0.1 - <1	[C]	-	01-2119489379- 17-XXXX
Ethyl acetate	205-500-4	141-78-6	0.1 - <1	Eye Irrit. 2 (H319) STOT SE 3 (H336) Flam. Liq. 2 (H225) (EUH066)	-	01-2119475103- 46-XXXX
1,1'-(p-tolylimino)dipropa n-2-ol	254-075-1	38668-48-3	0.1 - <1	Acute Tox. 2 (H300) Eye Irrit. 2 (H319) Aquatic Chronic 3 (H412)	-	01-2119980937- 17-xxxx
Maleic anhydride	203-571-6	108-31-6	0.01 - <0.1	Acute Tox. 4 (H302) Skin Corr. 1B (H314) Eye Dam. 1 (H318) Resp. Sens. 1 (H334) Skin Sens. 1A (H317) STOT RE 1 (H372) (EUH071)	Skin Sens. 1A :: C>=0.001%	01-2119472428- 31-XXXX
Cobalt bis(2-ethylhexanoate)	205-250-6	136-52-7	0.01 - <0.1	Eye Irrit. 2 (H319) Skin Sens. 1A (H317) Repr. 1B (H360f) Aquatic Acute 1 (H400) Aquatic Chronic	-	01-2119524678- 29-XXXX

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				3 (H412)		
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## Full text of H- and EUH-phrases: see section 16

Note: ^ indicates not classified, however, the substance is listed in section 3 as it has an OEL

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)

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

### 4.1. Description of first aid measures

<b>General advice</b>	Show this safety data sheet to the doctor in attendance.
<b>Inhalation</b>	Remove to fresh air. Get medical attention immediately if symptoms occur.
<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a doctor.
<b>Ingestion</b>	Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a doctor.
<b>Self-protection of the first aider</b>	Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing.

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

<b>Symptoms</b>	Itching. Rashes. Hives. May cause redness and tearing of the eyes. Burning sensation.
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### 4.3. Indication of any immediate medical attention and special treatment needed

<b>Note to doctors</b>	May cause sensitisation in susceptible persons. Treat symptomatically.
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable Extinguishing Media** Dry chemical. Carbon dioxide (CO<sub>2</sub>). Water spray. Alcohol resistant foam.

**Unsuitable extinguishing media** No information available.

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

**Specific hazards arising from the chemical** Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Product is or contains a sensitiser. May cause sensitisation by skin contact.

### 5.3. Advice for firefighters

**Special protective equipment and precautions for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

## SECTION 6: Accidental release measures

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

**Personal precautions** Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material.

**Other information** Ventilate the area. Refer to protective measures listed in Sections 7 and 8.

**For emergency responders** Use personal protection recommended in Section 8.

### 6.2. Environmental precautions

**Environmental precautions** Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

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

**Methods for containment** Stop leak if you can do it without risk. Do not touch or walk through spilled material. A vapour suppressing foam may be used to reduce vapours. Dyke far ahead of spill to collect run-off water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

**Methods for cleaning up** Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labelled containers.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

### 6.4. Reference to other sections

**Reference to other sections** See section 8 for more information. See section 13 for more information.



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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### **Advice on safe handling**

Use personal protection equipment. Avoid breathing vapours or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse. Remove contaminated clothing and shoes.

#### **General hygiene considerations**

Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Wear suitable gloves and eye/face protection. Avoid contact with skin, eyes or clothing.

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

#### **Storage Conditions**

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labelled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations. Store locked up. Keep out of the reach of children.

### 7.3. Specific end use(s)

#### **Specific use(s)**

Fillers, putties, plasters, modelling clay.

**Risk Management Methods (RMM)** The information required is contained in this Safety Data Sheet.

#### **Other information**

Observe technical data sheet.

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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure Limits

This product contains titanium dioxide in a non-respirable form. Inhalation of titanium dioxide is unlikely to occur from exposure to this product

Chemical name	European Union	United Kingdom
Styrene 100-42-5	-	TWA: 100 ppm TWA: 430 mg/m <sup>3</sup> STEL: 250 ppm STEL: 1080 mg/m <sup>3</sup>
Titanium dioxide 13463-67-7	-	TWA: 10 mg/m <sup>3</sup> TWA: 4 mg/m <sup>3</sup> STEL: 30 mg/m <sup>3</sup> STEL: 12 mg/m <sup>3</sup>
Ethyl acetate 141-78-6	TWA: 734 mg/m <sup>3</sup> TWA: 200 ppm STEL: 1468 mg/m <sup>3</sup> STEL: 400 ppm	TWA: 734 mg/m <sup>3</sup> TWA: 200 ppm STEL: 1468 mg/m <sup>3</sup> STEL: 400 ppm
Cobalt bis(2-ethylhexanoate) 136-52-7	-	TWA: 0.1 mg/m <sup>3</sup> STEL: 0.3 mg/m <sup>3</sup> Sen+
Maleic anhydride 108-31-6	-	TWA: 1 mg/m <sup>3</sup> STEL: 3 mg/m <sup>3</sup> Sen+

Chemical name	European Union	Ireland	United Kingdom
Styrene 100-42-5	-	400 mg/g Creatinine (urine - Mandelic acid plus Phenylglyoxylic acid end of shift) 0.2 mg/L (venous blood - Styrene end of shift)	-

Derived No Effect Level (DNEL) No information available

Derived No Effect Level (DNEL)			
Styrene (100-42-5)			
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker Long term Systemic health effects	Inhalation	85 mg/m <sup>3</sup>	
worker Short term Systemic health effects	Inhalation	289 mg/m <sup>3</sup>	
worker	Dermal	406 mg/kg bw/d	
Long term Systemic health effects			



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## Reaction mass of ethylbenzene and m-xylene and p-xylene (RR-93095-0)

Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker Long term Systemic health effects	Inhalation	221 mg/m <sup>3</sup>	
worker Short term Systemic health effects	Inhalation	442 mg/m <sup>3</sup>	
worker Long term Local health effects	Inhalation	221 mg/m <sup>3</sup>	
worker Short term Local health effects	Inhalation	442 mg/m <sup>3</sup>	
worker Long term Systemic health effects	Dermal	212 mg/kg bw/d	

## Titanium dioxide (13463-67-7)

Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker Long term Local health effects	Inhalation	10 mg/m <sup>3</sup>	

## Ethyl acetate (141-78-6)

Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker Long term Systemic health effects	Dermal	63 mg/kg bw/d	
worker Short term Systemic health effects	Inhalation	1468 mg/m <sup>3</sup>	
worker Long term Local health effects	Inhalation	734 mg/m <sup>3</sup>	
worker Short term Local health effects	Inhalation	1468 mg/m <sup>3</sup>	
worker Long term Systemic health effects	Inhalation	734 mg/m <sup>3</sup>	

## 1,1'-(p-tolylimino)dipropen-2-ol (38668-48-3)

Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker Long term Systemic health effects	Inhalation	2.47 mg/m <sup>3</sup>	
worker Long term Systemic health effects	Dermal	0.7 mg/kg bw/d	

## Maleic anhydride (108-31-6)

Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
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worker Long term Systemic health effects	Inhalation	0.4 mg/m <sup>3</sup>	
worker Short term Systemic health effects	Inhalation	0.8 mg/m <sup>3</sup>	
worker Long term Local health effects	Inhalation	0.4 mg/m <sup>3</sup>	
worker Short term Local health effects	Inhalation	0.8 mg/m <sup>3</sup>	

## Cobalt bis(2-ethylhexanoate) (136-52-7)

Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker Long term Local health effects	Inhalation	235.1 µg/cm <sup>2</sup>	

## Derived No Effect Level (DNEL)

### Titanium dioxide (13463-67-7)

Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Consumer Long term Systemic health effects	Oral	700 mg/kg bw/d	

### Ethyl acetate (141-78-6)

Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Consumer Long term Systemic health effects	Oral	4.5 mg/kg bw/d	
Consumer Long term Systemic health effects	Dermal	37 mg/kg bw/d	
Consumer Short term Systemic health effects	Inhalation	734 mg/m <sup>3</sup>	
Consumer Long term Local health effects	Inhalation	367 mg/m <sup>3</sup>	
Consumer Short term Local health effects	Inhalation	734 mg/m <sup>3</sup>	
Consumer Long term Systemic health effects	Inhalation	367 mg/m <sup>3</sup>	

### 1,1'-(p-tolylimino)dipropen-2-ol (38668-48-3)

Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Consumer Long term Systemic health effects	Oral	0.25 mg/kg bw/d	

### Cobalt bis(2-ethylhexanoate) (136-52-7)

Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
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Consumer Long term Local health effects	Inhalation	37 µg/cm <sup>2</sup>	
Consumer Long term Systemic health effects	Oral	55.8 µg/Kg bw/day	

**Predicted No Effect Concentration (PNEC)** No information available.

Predicted No Effect Concentration (PNEC)	
Styrene (100-42-5)	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	0.028 mg/l
Marine water	0.014 mg/l
Freshwater - intermittent	0.04 mg/l
Freshwater sediment	0.614 mg/kg dry weight
Marine sediment	0.307 mg/kg dry weight
Sewage treatment plant	5 mg/l
Soil	0.2 mg/kg dry weight

Reaction mass of ethylbenzene and m-xylene and p-xylene (RR-93095-0)	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	0.327 mg/l
Marine water	0.327 mg/l
Sewage treatment plant	6.58 mg/l
Freshwater sediment	12.6 mg/kg dry weight
Soil	2.31 mg/kg dry weight

Titanium dioxide (13463-67-7)	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Marine water	0.0184 mg/l
Freshwater sediment	1000 mg/kg
Freshwater	0.184 mg/l
Marine sediment	100 mg/kg
Soil	100 mg/kg
Microorganisms in sewage treatment	100 mg/l
Freshwater - intermittent	0.193 mg/l

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## Ethyl acetate (141-78-6)

Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	0.26 mg/l
Marine water	0.026 mg/l
Freshwater sediment	1.25 mg/kg
Marine sediment	0.125 mg/kg
Soil	0.24 mg/kg
Microorganisms in sewage treatment	650 mg/l

## 1,1'-(p-tolylimino)dipropen-2-ol (38668-48-3)

Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	0.017 mg/l
Marine water	0.002 mg/l
Sewage treatment plant	199.5 mg/l
Freshwater sediment	0.163 mg/kg dry weight
Marine sediment	0.016 mg/kg dry weight
Soil	0.023 mg/kg dry weight

## Maleic anhydride (108-31-6)

Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	0.1 mg/l
Marine water	0.01 mg/l
Microorganisms in sewage treatment	44.6 mg/l
Freshwater sediment	0.334 mg/kg dry weight
Marine water	0.033 mg/kg dry weight
Soil	0.042 mg/kg dry weight

## Cobalt bis(2-ethylhexanoate) (136-52-7)

Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	3 µg/l
Marine water	2.36 µg/l
Sewage treatment plant	0.37 µg/l
Freshwater sediment	9.5 mg/kg dry weight
Marine sediment	9.5 µg/l
Soil	10.9 mg/kg dry weight

## 8.2. Exposure controls

### Engineering controls

Ensure adequate ventilation, especially in confined areas.

### Personal protective equipment

#### Eye/face protection

Tight sealing safety goggles. Gloves must conform to standard EN 374

#### Skin and body protection

Wear protective nitrile rubber gloves. Wear suitable protective clothing.

#### Respiratory protection

This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. Type A according to standard EN 14387) is used.

**Environmental exposure controls** No information available.

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## SECTION 9: Physical and chemical properties

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

Physical state	Liquid
Appearance	Paste
Colour	See section 1 for more information
Odour	Characteristic.
Odour threshold	No information available

Property	Values	Remarks • Method
Melting point / freezing point	No data available	None known
Initial boiling point and boiling range	145 °C	
Flammability	Not applicable for liquids	
Flammability Limit in Air		None known
Upper flammability or explosive limits	8.9	
Lower flammability or explosive limits	1.2	
Flash point	23 - 60 °C	
Autoignition temperature	490 °C	
Decomposition temperature		None known
pH	No data available	None known
pH (as aqueous solution)	No data available	None known
Kinematic viscosity	> 21 mm <sup>2</sup> /s	@ 40 °C
Dynamic viscosity	No data available	

None known  
None known  
None known

None known

<b>Water solubility</b>	No data available
	Immiscible in water
<b>Solubility(ies)</b>	No data available
<b>Partition coefficient</b>	No data available
<b>Vapour pressure</b>	6 mbar
<b>Relative density</b>	No data available
<b>Bulk Density</b>	No data available
<b>Density</b>	1.75
<b>Relative vapour density</b>	No data available
<b>Particle characteristics</b>	
<b>Particle Size</b>	No information available
<b>Particle Size</b>	No information available
<b>Distribution</b>	

### 9.2. Other information

#### VOC Content (%)

#### 9.2.1. Information with regards to physical hazard classes

Not applicable

#### 9.2.2. Other safety characteristics

No information available



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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity No information available.

### 10.2. Chemical stability

Stability Stable under normal conditions.

### Explosion data

Sensitivity to mechanical impact None.  
Sensitivity to static discharge Yes.

### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

### 10.4. Conditions to avoid

Conditions to avoid Heat, flames and sparks.

### 10.5. Incompatible materials

Incompatible materials Strong acids. Strong bases. Strong oxidising agents.

### 10.6. Hazardous decomposition products

Hazardous decomposition products None under normal use conditions. Stable under recommended storage conditions.

## SECTION 11: Toxicological information

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

#### Information on likely routes of exposure

#### Product Information

Inhalation	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.
Eye contact	Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain.
Skin contact	May cause sensitisation by skin contact. Specific test data for the substance or mixture is not available. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components). Causes skin irritation.
Ingestion	Specific test data for the substance or mixture is not available. Ingestion may cause

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gastrointestinal irritation, nausea, vomiting and diarrhoea.

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

**Symptoms** Itching. Rashes. Hives. Redness. May cause redness and tearing of the eyes.

## Acute toxicity

### Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 20,833.30 mg/kg  
ATEmix (dermal) 9,918.00 mg/kg  
ATEmix (inhalation-dust/mist) 12.70 mg/l  
ATEmix (inhalation-vapour) 73.80 mg/l

### Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Styrene	>6000 mg/kg (Rattus)	LD50 > 2000 mg/kg (Rattus) OECD 402	LC50 (6h) > 2.13 mg/L (Mouse)
Reaction mass of ethylbenzene and m-xylene and p-xylene	LD50 =3523 mg/Kg (Rattus)	-	-
Titanium dioxide	>10000 mg/kg (Rattus)	LD50 > 5000 mg/Kg	= 5.09 mg/L ( Rattus ) 4 h
Ethyl acetate	=5620 mg/kg (Rattus)	> 18000 mg/kg (Oryctolagus cuniculus) > 20 mL/kg (Oryctolagus cuniculus)	LC0 29.3 mg/l air
1,1'-(p-tolylimino)dipropen-2-ol	LD50 >25<200 mg/kg bw (Rattus)(OECD guideline 423)	LD50 >2000 mg/kg (Rattus) OECD 402	-
Maleic anhydride	LD50 = 1090 mg/kg (Rattus) OECD 401	= 2620 mg/kg (Oryctolagus cuniculus)	>4.35 mg/L (Rattus) 1 h
Cobalt bis(2-ethylhexanoate)	3129 mg/Kg (Rattus) (OECD 425)	> 5000 mg/kg (Oryctolagus cuniculus)	>10 mg/L (Rattus) 1 h

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

### Skin corrosion/irritation

Classification based on data available for ingredients. Irritating to skin.

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## Titanium dioxide (13463-67-7)

Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 404: Acute Dermal Irritation/Corrosion	Rabbit	Dermal			Non-irritant

**Serious eye damage/eye irritation** Classification based on data available for ingredients. Causes serious eye irritation.

## Titanium dioxide (13463-67-7)

Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 405: Acute Eye Irritation/Corrosion	Rabbit	Eye			Non-irritant

**Respiratory or skin sensitisation** May cause sensitisation by skin contact.

## Titanium dioxide (13463-67-7)

Method	Species	Exposure route	Results
OECD Test No. 406: Skin Sensitisation	Guinea pig	Dermal	Not a skin sensitiser
OECD Test No. 429: Skin Sensitisation: Local Lymph Node Assay	Mouse	Dermal	Not a skin sensitiser

## Ethyl acetate (141-78-6)

Method	Species	Exposure route	Results
OECD Test No. 406: Skin Sensitisation	Guinea pig	Dermal	No sensitisation responses were observed

## Maleic anhydride (108-31-6)

Method	Species	Exposure route	Results
OECD Test No. 429: Skin Sensitisation: Local Lymph Node Assay	Mouse	Injection	sensitising
Not available	Rat	Inhalation	sensitising

## Cobalt bis(2-ethylhexanoate) (136-52-7)

Method	Species	Exposure route	Results
OECD Test No. 429: Skin Sensitisation: Local Lymph Node Assay	Mouse	Dermal	sensitising

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

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

**Reproductive toxicity** Contains a known or suspected reproductive toxin. Classification based on data available for ingredients. Suspected of damaging fertility or the unborn child.

The table below indicates ingredients above the cut-off threshold considered as relevant which are listed as reproductive toxins.

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Chemical name	European Union
Styrene	Repr. 2

Styrene (100-42-5)

Method	Species	Results
	in vivo	reproductive toxicant

## STOT - single exposure

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

## STOT - repeated exposure

Causes damage to organs through prolonged or repeated exposure.

H372 - Causes damage to the following organs through prolonged or repeated exposure: Hearing organs.

## Aspiration hazard

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

## 11.2. Information on other hazards

### 11.2.1. Endocrine disrupting properties

Endocrine disrupting properties

### 11.2.2. Other information

#### Other adverse effects

No information available.

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## SECTION 12: Ecological information

### 12.1. Toxicity

Ecotoxicity Harmful to aquatic life.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea	M-Factor	M-Factor (long-term)
Styrene 100-42-5	EC50 72 h 0.46 - 4.3 mg/L (Pseudokirchneriella subcapitata)	LC50 96 h 6.75 - 14.5 mg/L (Pimephales promelas static)	EC50 = 5.4 mg/L 5 min	EC50: 3.3 - 7.4mg/L (48h, Daphnia magna)		
Titanium dioxide 13463-67-7	LC50 (96h) >10000 mg/l (Cyprinodon variegatus) OECD 203	-	-	-		
Ethyl acetate 141-78-6	EC50: =3300mg/L (48h, Desmodesmus subspicatus)	LC50: =484mg/L (96h, Oncorhynchus mykiss) LC50: 352 - 500mg/L (96h, Oncorhynchus mykiss) LC50: 220 - 250mg/L (96h, Pimephales promelas)	EC50 = 1180 mg/L 5 min EC50 = 1500 mg/L 15 min EC50 = 5870 mg/L 15 min EC50 = 7400 mg/L 2 h	EC50: =560mg/L (48h, Daphnia magna)		
1,1'-(p-tolylimino)diprop an-2-ol 38668-48-3	EC50 (72h) = 245 mg/L (Desmodesmus subspicatus) OECD 201	LC50 (96h) = 17 mg/L (Danio rerio)	-	EC50 (48h) = 28.8 mg/L (Daphnia magna)		
Maleic anhydride 108-31-6	EC50: =29mg/L (72h, Desmodesmus subspicatus)	LC50 (96h) = 75 mg/L (Oncorhynchus mykiss)	-	EC50: =84mg/L (24h, Daphnia magna)		
Cobalt bis(2-ethylhexanoate) 136-52-7	-	EC50 1.5 mg/L dissolved cobalt - read-across	-	-	1	

### 12.2. Persistence and degradability

Persistence and degradability No information available.

Ethyl acetate (141-78-6)  
1,1'-(p-tolylimino)diprop an-2-ol (38668-48-3)

Method	Exposure time	Value	Results
OECD Test No. 301B: Ready Biodegradability: CO2 Evolution Test (TG 301 B)	.? days	39%	

### 12.3. Bioaccumulative potential

Bioaccumulation



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## Component Information

Chemical name	Partition coefficient
Styrene	2.96
Ethyl acetate	0.73
1,1'-(p-tolylimino)dipropan-2-ol	2.1
Maleic anhydride	-2.61

## 12.4. Mobility in soil

Mobility in soil No information available.

## 12.5. Results of PBT and vPvB assessment

### PBT and vPvB assessment

Chemical name	PBT and vPvB assessment
Styrene	The substance is not PBT / vPvB PBT assessment does not apply
Reaction mass of ethylbenzene and m-xylene and p-xylene	The substance is not PBT / vPvB
Titanium dioxide	The substance is not PBT / vPvB PBT assessment does not apply
Ethyl acetate	The substance is not PBT / vPvB PBT assessment does not apply
1,1'-(p-tolylimino)dipropan-2-ol	The substance is not PBT / vPvB
Maleic anhydride	The substance is not PBT / vPvB PBT assessment does not apply
Cobalt bis(2-ethylhexanoate)	The substance is not PBT / vPvB PBT assessment does not apply

## 12.6. Endocrine disrupting properties

Endocrine disrupting properties No information available.

## 12.7. Other adverse effects

No information available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste from residues/unused products	Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
Contaminated packaging	Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.
European Waste Catalogue	08 04 09* waste adhesives and sealants containing organic solvents or other dangerous substances
Other information	Waste codes should be assigned by the user based on the application for which the product was used.

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## SECTION 14: Transport information

**Note:** The shipping descriptions shown here are for bulk shipments only, and may not apply to shipments made in non-bulk packages (see regulatory definition).

### Land transport (ADR/RID)

14.1 UN number or ID number	UN1263
14.2 Proper Shipping Name	Paint
14.3 Transport hazard class(es)	3
Labels	3
14.4 Packing group	III
Description	UN1263, Paint, 3, III, (D/E)
14.5 Environmental hazards	Not applicable
14.6 Special Provisions	163, 650, 367
Classification code	F1
Tunnel restriction code	(D/E)
Limited quantity (LQ)	5 L
ADR Hazard Id (Kemmler Number)	30

### IMDG

14.1 UN number or ID number	UN1263
14.2 Proper Shipping Name	Paint
14.3 Transport hazard class(es)	3
14.4 Packing group	III
Description	UN1263, Paint, 3, III, (23°C c.c.)
14.5 Marine pollutant	NP
14.6 Special Provisions	163, 223, 367, 955
Limited Quantity (LQ)	5 L
EmS-No	F-E, S-E
14.7 Maritime transport in bulk according to IMO instruments	Not applicable

### Air transport (ICAO-TI / IATA-DGR)

14.1 UN number or ID number	UN1263
14.2 Proper Shipping Name	Paint
14.3 Transport hazard class(es)	3
14.4 Packing group	III
Description	UN1263, Paint, 3, III
14.5 Environmental hazards	Not applicable
14.6 Special Provisions	A3, A72, A192
Limited quantity (LQ)	10 L
ERG Code	3L

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## Section 15: REGULATORY INFORMATION

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

#### European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Check whether measures in accordance with Directive 94/33/EC for the protection of young people at work must be taken.

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

#### Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006)

##### **SVHC: Substances of Very High Concern for Authorisation:**

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)

##### **EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction**

This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

##### **Substance subject to authorisation per REACH Annex XIV**

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

##### **Dangerous substance category per Seveso Directive (2012/18/EU)**

P5a - FLAMMABLE LIQUIDS

P5b - FLAMMABLE LIQUIDS

P5c - FLAMMABLE LIQUIDS

##### **Ozone-depleting substances (ODS) regulation (EC) 1005/2009**

Not applicable

##### **Persistent Organic Pollutants**

Not applicable

#### National regulations

### 15.2. Chemical safety assessment

Chemical Safety Assessments have been carried out by the Reach registrants for substances registered at  $>10$  tpa. No Chemical Safety Assessment has been carried out for this mixture

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## SECTION 16: Other information

### Key or legend to abbreviations and acronyms used in the safety data sheet

#### Full text of H-Statements referred to under section 3

EUH066 - Repeated exposure may cause skin dryness or cracking  
EUH071 - Corrosive to the respiratory tract  
H225 - Highly flammable liquid and vapour  
H226 - Flammable liquid and vapour  
H300 - Fatal if swallowed  
H302 - Harmful if swallowed  
H304 - May be fatal if swallowed and enters airways  
H312 - Harmful in contact with skin  
H314 - Causes severe skin burns and eye damage  
H315 - Causes skin irritation  
H317 - May cause an allergic skin reaction  
H318 - Causes serious eye damage  
H319 - Causes serious eye irritation  
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  
H360F - May damage fertility  
H361d - Suspected of damaging the unborn child  
H372 - Causes damage to organs through prolonged or repeated exposure  
H373 - May cause damage to organs through prolonged or repeated exposure  
H400 - Very toxic to aquatic life  
H412 - Harmful to aquatic life with long lasting effects

#### **Legend**

TWA	TWA (time-weighted average)
STEL	STEL (Short Term Exposure Limit)
Ceiling	Ceiling Limit Value
*	Skin designation
SVHC	Substance(s) of Very High Concern

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PBT	Persistent, Bioaccumulative, and Toxic (PBT) Chemicals
vPvB	Very Persistent and very Bioaccumulative (vPvB) Chemicals
STOT RE	Specific target organ toxicity - Repeated exposure
STOT SE	Specific target organ toxicity - Single exposure
EWC	European Waste Catalogue
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
IMDG	International Maritime Dangerous Goods (IMDG)
IATA	International Air Transport Association (IATA)
RID	Regulations concerning the International Transport of Dangerous Goods by Rail

## Key literature references and sources for data

No information available

**Prepared By** Product Safety & Regulatory Affairs

**Revision date** 21-Apr-2022

## Indication of changes

**Revision note** Not applicable.

**Training Advice** No information available

**Further information** No information available

**This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006**

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.