

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	Kelfort ® Polysoft plamuur wit 1.5kg45g 2-component – Base
Article number	1516236 First part – Base
Producttype	Mixture
Regulation	Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008 This SDS is for generic information purposes and does not reflect required country specific information for OEL

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 - 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

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

Flammable liquids	Category 3 - (H226)
Skin irritation	Category 2 - (H315)
Eye irritation	Category 2 - (H319)
Skin sensitisation	Category 1A - (H317)
Reproductive toxicity	Category 2 - (H361)
Specific target organ toxicity (repeated exposure)	Category 1 - (H372)

2.2. Label elements

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



Signal word
Danger

Hazard statements

H226 - Flammable liquid and vapour.
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.

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 and 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. This product is part of a kit. Please also refer to the SDS for the other component(s) of the kit.

2.3. Other hazards

No information available.

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PBT & vPvB

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

Endocrine Disruptor Information

This product does not contain any known or suspected endocrine disruptors.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical name	Weight-%	REACH registration number	EC No. (Index No.)	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)	Notes
Styrene 100-42-5	10 - <20	01-2119457861 -32-XXXX	202-851-5 (601-026-00-0)	Acute Tox. 4 (H332) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Repr. 2 (H361d) STOT SE 3 (H335) STOT RE 1 (H372) Asp. Tox. 1 (H304)	-	-	-	D
				Aquatic Chronic 3 (H412) Flam. Liq. 3 (H226)				
Reaction mass of ethylbenzene and m-xylene and p-xylene RR-93095-0	1 - <3	01-2119488216 -32-XXXX	905-562-9	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)	-	-	-	-
Titanium dioxide 13463-67-7	0.1 - <1	01-2119489379 -17-XXXX	236-675-5	[C]	-	-	-	-
Ethyl acetate 141-78-6	0.1 - <0.3	01-2119475103 -46-XXXX	205-500-4 (607-022-00-5)	Eye Irrit. 2 (H319) STOT SE 3 (H336) Flam. Liq. 2 (H225) (EUH066)	-	-	-	-
1,1'-(p-tolylimino)dipropyl-2-ol 38668-48-3	0.1 - <0.3	01-2119980937 -17-xxxx	254-075-1	Acute Tox. 2 (H300) Eye Irrit. 2 (H319) Aquatic Chronic 3 (H412)	-	-	-	-

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Maleic anhydride 108-31-6	0.05 - <0.1	01-2119472428 -31-XXXX	203-571-6 (607-096-00-9)	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%	-	-	-
Cobalt bis(2-ethylhexanoate) 136-52-7	0.05 - <0.1	01-2119524678 -29-XXXX	205-250-6 (607-230-00-6)	Eye Irrit. 2 (H319) Skin Sens. 1A (H317) Repr. 1B (H360FD) Aquatic Acute 1 (H400) Aquatic Chronic 3 (H412)	-	1	-	A,X,12

Note A - Without prejudice to Article 17(2) of Regulation (EC) No 1272/2008, the name of the substance must appear on the label in the form of one of the designations given in Part 3 of Annex VI to that Regulation. In that Part, use is sometimes made of a general description such as "... compounds" or "... salts". In this case, the supplier who places such a substance on the market is required to state on the label the correct name, due account being taken of Section 1.1.1.4 of Annex VI to Regulation (EC) No 1272/2008.

Note D - Certain substances which are susceptible to spontaneous polymerization or decomposition are generally placed on the market in a stabilized form. It is in this form that they are listed in Part 3 of Annex VI to Regulation (EC) No 1272/2008. However, such substances are sometimes placed on the market in a non-stabilized form. In this case, the supplier who places such a substance on the market must state on the label the name of the substance followed by the words "non-stabilized".

Note V - If the substance is to be placed on the market as fibres (with diameter < 3 µm, length > 5 µm and aspect ratio ≥ 3:1) or particles of the substance fulfilling the WHO fibre criteria or as particles with modified surface chemistry, their hazardous properties must be evaluated in accordance with Title II of this Regulation, to assess whether a higher category (Carc. 1B or 1A) and/or additional routes of exposure (oral or dermal) should be applied.

Note W - It has been observed that the carcinogenic hazard of this substance arises when respirable dust is inhaled in quantities leading to significant impairment of particle clearance mechanisms in the lung. This note aims to describe the particular toxicity of the substance; it does not constitute a criterion for classification according to this Regulation.

Note X - The classification for the hazard class(es) in this entry is based only on the hazardous properties of the part of the substance which is common to all substances in the entry. The hazardous properties of any substances in the entry also depend on the properties of the part of the substance which is not common to all substances in the group. The latter must be evaluated to assess whether more severe classification(s) (i.e. a higher category) or a broader scope of the same classification (additional differentiation, target organs and/or hazard statements) might apply for the hazard class(es) in the entry.

Note 10 - The classification as a carcinogen by inhalation applies only to mixtures in powder form containing 1 % or more of titanium dioxide which is in the form of or incorporated in particles with aerodynamic diameter ≤ 10 µm.

Note 12 - The classification of mixtures as reproductive toxicant is necessary if the sum of the concentrations of individual substances covered by this entry in the mixture as placed on the market is equal to, or above, the applicable generic concentration limit for the assigned category, or a specific concentration limit given in this entry.

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

Acute Toxicity Estimate

If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATE_{mix}) for classifying a mixture based on its components

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Chemical name	EC No. (Index No.)	CAS No.	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapour - mg/L	Inhalation LC50 - 4 hour - gas - ppm
Styrene	202-851-5 (601-026-00-0)	100-42-5	-	-	-	11.8	-
Reaction mass of ethylbenzene and m-xylene and p-xylene	905-562-9	RR-93095-0	-	1100	1.5	-	-
Titanium dioxide	236-675-5	13463-67-7	-	-	-	-	-
Ethyl acetate	205-500-4 (607-022-00-5)	141-78-6	-	-	-	14.4131	-
1,1'-(p-tolylimino)diprop an-2-ol	254-075-1	38668-48-3	25	-	-	-	-
Maleic anhydride	203-571-6 (607-096-00-9)	108-31-6	1090	-	-	-	-
Cobalt bis(2-ethylhexanoate)	205-250-6 (607-230-00-6)	136-52-7	-	-	-	-	-

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

General advice	Show this safety data sheet to the doctor in attendance.
Inhalation	Remove to fresh air. Get medical attention immediately if symptoms occur.
Eye contact	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.
Skin contact	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.
Ingestion	Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a doctor.
Self-protection of the first aider	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

Symptoms	Itching. Rashes. Hives. May cause redness and tearing of the eyes. Burning sensation.
Effects of Exposure	No information available.

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

Note to doctors	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 (CO2). 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 protective 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.

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6.4. Reference to other sections

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

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling Use personal protective 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.

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

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Only European Community Occupational Exposure Limits will be shown in this document. Please refer to regional SDS for further information.

Chemical name	European Union
Ethyl acetate 141-78-6	TWA: 734 mg/m ³ ; TWA: 200 ppm; STEL: 1468 mg/m ³ ; STEL: 400 ppm;

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 ³	
worker Short term Systemic health effects	Inhalation	289 mg/m ³	
worker Long term Systemic health effects	Dermal	406 mg/kg bw/d	

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 ³	
worker Short term Systemic health effects	Inhalation	442 mg/m ³	
worker Long term Local health effects	Inhalation	221 mg/m ³	
worker Short term Local health effects	Inhalation	442 mg/m ³	
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 ³	

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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 ³	
worker	Inhalation	734 mg/m ³	
Long term Local health effects			
worker Short term Local health effects	Inhalation	1468 mg/m ³	
worker Long term Systemic health effects	Inhalation	734 mg/m ³	

1,1'-(p-tolylimino)dipropan-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 ³	
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
worker Long term Systemic health effects	Inhalation	0.4 mg/m ³	
worker Short term Systemic health effects	Inhalation	0.8 mg/m ³	
worker Long term Local health effects	Inhalation	0.4 mg/m ³	
worker Short term Local health effects	Inhalation	0.8 mg/m ³	

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 ²	

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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 ³	
Consumer Long term Local health effects	Inhalation	367 mg/m ³	
Consumer Short term Local health effects	Inhalation	734 mg/m ³	
Consumer Long term Systemic health effects	Inhalation	367 mg/m ³	

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
Consumer Long term Local health effects	Inhalation	37 µg/cm ²	
Consumer Long term Systemic health effects	Oral	55.8 µg/Kg bw/day	

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Predicted No Effect Concentration No information available.
(PNEC)

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

Ethyl acetate (141-78-6)	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	0.24 mg/l
Marine water	0.024 mg/l
Freshwater sediment	1.15 mg/kg
Marine sediment	0.115 mg/kg
Soil	0.148 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

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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. Ensure that enough fresh air is supplied to dilute and remove dusts, fumes or vapours. Between 5 and 15 air changes per hour are recommended, with a through draught. Eyewash stations.
Personal protective equipment	
Eye/face protection	Tight sealing safety goggles. Eye protection must conform to standard EN 166. 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.
Recommended filter type:	Organic gases and vapours filter conforming to EN 14387. Type A.
Environmental exposure controls	No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid	
Appearance	Paste	
Colour	White	
Odour	Characteristic.	
Property	Values	Remarks • Method
Melting point / freezing point	No data available	None known
Initial boiling point and boiling range	145 °C	
Flammability	No data available	
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 mm²/s	@ 40 °C
Dynamic viscosity	No data available	
None known		Water solubility
None known		Solubility(ies)
None known		Partition coefficient
		Vapour pressure
		Relative density
		Bulk density
		Liquid Density
		Relative vapour density

Immiscible in water.
 No data available
 No data available
 6 mbar
 No data available
 No data available
 1.75
 No data available

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None known

Particle characteristics

Particle Size
Particle Size
Distribution

No information available
No information available

9.2. Other information

Solid content (%)

No information available

VOC content

No data available

9.2.1. Information with regards to physical hazard classes

Not applicable

9.2.2. Other safety characteristics

No information available

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.

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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 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 ATE values have been calculated for the mixture

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 (4h) > 11.8 mg/L (Rattus)
Reaction mass of ethylbenzene and m-xylene and p-xylene	LD50 =3523 mg/Kg (Rattus)	-	-
Titanium dioxide	> 5000 mg/kg (Rattus) OECD 425	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	LD50 >2000 mg/kg (Rattus)	-

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	(Rattus) (OECD guideline 423)	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.

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

Ethyl acetate (141-78-6)
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.

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

Component Information		
Ethyl acetate (141-78-6)		
Method	Species	Results
OECD Test No. 474: Mammalian Erythrocyte Micronucleus Test	in vivo Hamster	Negative
OECD Test No. 471: Bacterial Reverse Mutation Test	in vitro Salmonella typhimurium	Negative
OECD Test No. 473: In vitro Mammalian Chromosome Aberration Test	in vitro Hamster Ovary	Negative

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

Component Information		
Titanium dioxide (13463-67-7)		
Method	Species	Results
Oral	Rat	Not Carcinogenic

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

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

Chemical name	European Union
Styrene	Repr. 2
Cobalt bis(2-ethylhexanoate)	Repr. 1B

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

11.2.2. Other information

Other adverse effects No information available.

SECTION 12: Ecological information

12.1. Toxicity

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

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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	EC50 (72h) =	LC50 (96h) = 17	-	EC50 (48h) =		
an-2-ol 38668-48-3	245 mg/L (Desmodesmus subspicatus) OECD 201	mg/L (Danio rerio)		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.

1,1'-(p-tolylimino)diprop-2-ol (38668-48-3)			
Method	Exposure time	Value	Results
OECD Test No. 301B: Ready Biodegradability: CO2 Evolution Test (TG 301 B)	5 days	39%	

12.3. Bioaccumulative potential

Bioaccumulation

Component Information

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

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12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment Based on available data, the classification criteria are not met.

Chemical name	PBT and vPvB assessment
Styrene	Not PBT/vPvB
Reaction mass of ethylbenzene and m-xylene and p-xylene	Not PBT/vPvB
Titanium dioxide	Not PBT/vPvB
Ethyl acetate	Not PBT/vPvB
1,1'-(p-tolylimino)dipropen-2-ol	Not PBT/vPvB
Maleic anhydride	Not PBT/vPvB
Cobalt bis(2-ethylhexanoate)	Not PBT/vPvB

12.6. Endocrine disrupting properties Endocrine disrupting properties

Endocrine disruption for the environment Based on available data, the classification criteria are not met.

12.7. Other adverse effects Other adverse effects

Other adverse effects No information available.
PMT or vPvM properties Based on available data, the classification criteria are not met.

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.

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 UN 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)

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14.5 Environmental hazards Not applicable

14.6 Special precautions for user

Special Provisions 163, 650, 367

Classification code F1

Tunnel restriction code (D/E)

Limited quantity (LQ) 5 L

ADR Hazard Id (Kemmler Number) 30

Note:

The product sold in kit is classified:

UN 3269, POLYESTER RESIN PACKS, 3, PG III

UN 3269, POLYESTER RESIN KIT, 3, PG III, EmS: F-E, S-D

IMDG

14.1 UN number or ID number UN1263

14.2 UN 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 precautions for user

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

Transport in bulk according to Annex II of MARPOL and the IBC Code Not applicable

Note:

The product sold in kit is classified:

UN 3269, POLYESTER RESIN PACKS, 3, PG III

UN 3269, POLYESTER RESIN KIT, 3, PG III, EmS: F-E, S-D

Air transport (ICAO-TI / IATA-DGR)

14.1 UN number or ID number UN1263

14.2 UN 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 precautions for user

Special Provisions A3, A72, A192

Limited quantity (LQ) 10 L

ERG Code 3L

Note:

The product sold in kit is classified:

UN 3269, POLYESTER RESIN PACKS, 3, PG III

UN 3269, POLYESTER RESIN KIT, 3, PG III, EmS: F-E, S-D

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

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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, Authorisation, 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)

Chemical name	CAS No.
Styrene	100-42-5
Xylenes (o-, m-, p- isomers)	1330-20-7
Cobalt bis(2-ethylhexanoate)	136-52-7
Methyl alcohol	67-56-1

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)

Export Notification requirements

This product does not contain substances which are regulated pursuant to Regulation (EC) No. 649/2012 of the European parliament and of the council concerning the export and import of dangerous chemicals above the level that triggers a labeling obligation under Regulation (EC) No 1272/2008. Therefore this product is not subject to prior informed consent notification.

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

P5a - FLAMMABLE LIQUIDS

P5b - FLAMMABLE LIQUIDS

P5c - FLAMMABLE LIQUIDS

Ozone-depleting substances (ODS) regulation (EC) 2024/590

Not applicable

Persistent Organic Pollutants

Not applicable

REGULATION (EU) 2019/1148 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 20 June 2019 on the marketing and use of explosives precursors

Not applicable

Regulations on drug precursors (EC) No 111/2005 (export) and 273/2004 (internal trade)

This product does not contain any substance(s) on the Drug Precursors list.

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National regulations

France

Occupational Illnesses (R-463-3, France)

Chemical name	French RG number
Styrene 100-42-5	RG 84, RG 66
Ethyl acetate 141-78-6	RG 84
Maleic anhydride 108-31-6	RG 66

Germany

Ordinance on Industrial Safety and Health - Germany - BetrSichV

Flammable liquid (R10), EEC: refer to Annex III No. 1 (fire and explosion hazards) and § 7 paragraph 3

Water hazard class (WGK) obviously hazardous to water (WGK 2)

TA Luft (German Air Pollution Control Regulation)

Netherlands

List of Carcinogenic, mutagenic and reproductive toxin substances in accordance with Inspectorate SZW (Netherlands)

Chemical name	Netherlands - List of Carcinogens
Styrene 100-42-5	Present

Denmark

Registration number(s) (P-no.) No information available

Young people under the age of 18 may not professionally use or be exposed to the product. However, young people over the age of 15 are exempt from this rule if the product is included as a necessary part of an education

Norway

Registration number(s) (PRN-no.) No information available

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.

SECTION 16: Other information

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

Full text of any hazard and/or precautionary statements referred to under Sections 2-15

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

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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

Notes relating to the identification, classification and labelling of substances

Note D - Certain substances which are susceptible to spontaneous polymerization or decomposition are generally placed on the market in a stabilized form. It is in this form that they are listed in Part 3 of Annex VI to Regulation (EC) No 1272/2008. However, such substances are sometimes placed on the market in a non-stabilized form. In this case, the supplier who places such a substance on the market must state on the label the name of the substance followed by the words "non-stabilized"

Note V - If the substance is to be placed on the market as fibres (with diameter < 3 µm, length > 5 µm and aspect ratio ≥ 3:1) or particles of the substance fulfilling the WHO fibre criteria or as particles with modified surface chemistry, their hazardous properties must be evaluated in accordance with Title II of this Regulation, to assess whether a higher category (Carc. 1B or 1A) and/or additional routes of exposure (oral or dermal) should be applied

Note W - It has been observed that the carcinogenic hazard of this substance arises when respirable dust is inhaled in quantities leading to significant impairment of particle clearance mechanisms in the lung. This note aims to describe the particular toxicity of the substance; it does not constitute a criterion for classification according to this Regulation

SVHC: Substances of Very High Concern for Authorisation:

PBT: Persistent, Bioaccumulative, and Toxic (PBT) Substances

vPvB: Very Persistent and very Bioaccumulative (vPvB) Substances

STOT RE: Specific target organ toxicity - Repeated exposure

STOT SE: Specific target organ toxicity - Single exposure

EWC: European Waste Catalogue

LOW: List of Wastes (see <http://ec.europa.eu/environment/waste/framework/list.htm>)

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IATA: International Air Transport Association

ICAO: ICAO-TI: Technical Instructions for the Safe Transport of Dangerous Goods by Air

IMDG: International Maritime Dangerous Goods

RID: Regulations concerning the International Carriage of Dangerous Goods by Rail

Legend SECTION 8: Exposure controls/personal protection

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
AGW	Occupational exposure limit value	BGW	Biological limit value
Ceiling	Maximum limit value	Sk*	Skin designation

Classification procedure

Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
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Acute oral toxicity	Calculation method
Acute dermal toxicity	Calculation method
Acute inhalation toxicity - gas	Calculation method
Acute inhalation toxicity - vapour	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitisation	Calculation method
Skin sensitisation	Calculation method
Mutagenicity	Calculation method
Carcinogenicity	Calculation method
STOT - single exposure	Calculation method
STOT - repeated exposure	Calculation method
Acute aquatic toxicity	Calculation method
Chronic aquatic toxicity	Calculation method
Aspiration hazard	Calculation method
Ozone	Calculation method

Key literature references and sources for data used to compile the SDS

European Food Safety Authority (EFSA)

European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA_RAC)

European Chemicals Agency (ECHA) (ECHA_API)

U.S. Environmental Protection Agency

Acute Exposure Guideline Level(s) (AELG(s))

International Uniform Chemical Information Database (IUCLID)

Japan National Institute of Technology and Evaluation (NITE)

NIOSH (National Institute for Occupational Safety and Health)

International Organization for Economic Co-operation and Development (OECD) Environment, Health, and Safety Publications

International Organization for Economic Co-operation and Development (OECD) High Production Volume Chemicals Program

International Organization for Economic Co-operation and Development (OECD) Screening Information Data Set

Prepared By Product Safety & Regulatory Affairs

Revision date 30-Mar-2026

Training Advice No information available

Further information No information available

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

Regulation (EC) No. 1907/2006 as amended by Regulation (EU) No. 2020/878, and Regulation (EC) No. 1272/2008

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.