

# EC safety data sheet

Trade name: VORANSTRICH FÜR SILICON

Current version : 4.2.0, issued: 19.03.2019

Replaced version: 4.1.0, issued: 14.03.2018

Region: GB

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

### 1.1 Product identifier

Trade name

**VORANSTRICH FÜR SILICON**

**LUGATO Professional Siliconvoranstrich 130**

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

**Relevant identified uses of the substance or mixture**

Chemical product for building, modernising and repairing.

**Uses advised against**

No data available.

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

**Address**

LUGATO GmbH & Co. KG

Großer Kamp 1

D-22885 Barsbüttel

Telephone no. +49 (0)40 694 07-0

Fax no. +49 (0)40 694 07-109 + 110

**Information provided by / telephone**

Department TS, telephone +49 40 694 07-222

e-mail: technik@lugato.de

**Advice on Safety Data Sheet**

technik@lugato.de

### 1.4 Emergency telephone number

For medical advice (in German and English):

+49 (0)551 192 40 (Giftinformationszentrum Nord)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Classification in accordance with Regulation (EC) No 1272/2008 (CLP)**

Eye Dam. 1; H318

Flam. Liq. 2; H225

Skin Irrit. 2; H315

STOT SE 3; H336

**Classification information**

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

### 2.2 Label elements

**Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)**

**Hazard pictograms**



GHS02



GHS05



GHS07

**Signal word**

Danger

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**Hazardous component(s) to be indicated on label:**

2-methylpropan-1-ol

**Hazard statement(s)**

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H336	May cause drowsiness or dizziness.

**Precautionary statement(s)**

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.
P233	Keep container tightly closed.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor.
P370+P378	In case of fire: Use water spray, extinguishing powder, foam or CO2 to extinguish.
P403+P235	Store in a well-ventilated place. Keep cool.

**2.3 Other hazards**

No data available.

## SECTION 3: Composition/information on ingredients

**3.1 Substances**

Not applicable. The product is not a substance.

**3.2 Mixtures**

**Chemical characterization**

Preparation containing hazardous components given in the following list.

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## Hazardous ingredients

No	Substance name	Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration
			%
1	<b>ethyl-acetate</b>		
	141-78-6 205-500-4 607-022-00-5 01-2119475103-46	EUH066 Eye Irrit. 2; H319 Flam. Liq. 2; H225 STOT SE 3; H336	>= 10.00 - < 25.00 %-b.w.
2	<b>xylene</b>		
	1330-20-7 215-535-7 601-022-00-9 01-2119488216-32	Flam. Liq. 3; H226 Acute Tox. 4; H312 Skin Irrit. 2; H315 Acute Tox. 4; H332	>= 10.00 - < 25.00 %-b.w.
3	<b>2-methylpropan-1-ol</b>		
	78-83-1 201-148-0 603-108-00-1 -	Eye Dam. 1; H318 Flam. Liq. 3; H226 Skin Irrit. 2; H315 STOT SE 3; H335 STOT SE 3; H336	< 5.00 %-b.w.
4	<b>ethylbenzene</b>		
	100-41-4 202-849-4 601-023-00-4 01-2119489370-35	Acute Tox. 4*; H332 Asp. Tox. 1; H304 Flam. Liq. 2; H225 STOT RE 2; H373	< 5.00 %-b.w.
5	<b>methanol</b>		
	67-56-1 200-659-6 603-001-00-X 01-2119433307-44	Acute Tox. 3; H301 Acute Tox. 3; H311 Acute Tox. 3; H331 Flam. Liq. 2; H225 STOT SE 1; H370	< 0.50 %-b.w.

Full Text for all H-phrases and EUH-phrases: pls. see section 16

(\* , \*\* , \*\*\* , \*\*\*\*) Detailed explanation pls. refer to CLP regulation No. 1272/2008, annex VI, 1.2

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
2	C	-	-	-
5	-	STOT SE 2; H371: C >= 3% STOT SE 1; H370: C >= 10%	-	-

Full text for the notes: pls. see section 16 "Notes relating to the identification, classification and labelling of substances ((EC) No 1272/2008, Annex VI)".

No	Route, target organ, concrete effect
4	H373 -; hearing organs; -

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

In case of persisting adverse effects, consult a physician. Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing.

#### After inhalation

Remove affected person from the immediate area. Ensure supply of fresh air.

#### After skin contact

Wash off immediately with soap and water.

#### After eye contact

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Seek medical assistance.

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## **After ingestion**

Rinse mouth thoroughly with water. Call a doctor immediately. Never give anything by mouth to an unconscious person. If individual is drowsy or unconscious, place in recovery position (on left side, with head down).

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

No data available.

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

No data available.

## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media**

#### **Suitable extinguishing media**

Alcohol-resistant foam; Extinguishing powder; Carbon dioxide; Water mist

#### **Unsuitable extinguishing media**

High power water jet

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

In the event of fire, the following can be released: Carbon dioxide (CO<sub>2</sub>); Carbon monoxide (CO)

### **5.3 Advice for firefighters**

Use self-contained breathing apparatus. Cool endangered containers with water spray jet. Wear protective clothing. Suppress gases/vapours/mists with water spray jet.

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

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

#### **For non-emergency personnel**

Refer to protective measures listed in sections 7 and 8. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Keep away sources of ignition.

#### **For emergency responders**

No data available. Personal protective equipment (PPE) - see Section 8.

### **6.2 Environmental precautions**

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

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

Take up with absorbent material (e.g., sand, kieselguhr, universal binder). When picked up, treat material as prescribed under heading "Disposal considerations".

### **6.4 Reference to other sections**

No data available.

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

### **7.1 Precautions for safe handling**

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

Provide good ventilation at the work area (local exhaust ventilation, if necessary). If workplace exposure limits are exceeded, respiratory protection approved for this particular job must be worn. Refer to protective measures listed in section 8.

#### **General protective and hygiene measures**

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Avoid contact with eyes and skin. Remove soiled or soaked clothing immediately. Do not inhale vapours. Wash hands before breaks and after work.

#### **Advice on protection against fire and explosion**

Vapours can form an explosive mixture with air. Take precautionary measures against static charges. Keep away from sources of heat and ignition. Use explosion-proof equipment/fittings and non-sparking tools.

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

### **Technical measures and storage conditions**

Keep container tightly closed and dry in a cool, well-ventilated place. Protect from heat and direct sunlight.

### **Requirements for storage rooms and vessels**

Containers which are opened must be carefully closed and kept upright to prevent leakage. Always keep in containers of same material as the original one.

### **Advice on storage assembly**

Do not store together with: oxidizing agents; Acids

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

No data available.

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limit values

No	Substance name	CAS no.	EC no.	
1	<b>ethyl-acetate</b>	<b>141-78-6</b>	<b>205-500-4</b>	
	<b>2017/164/EU</b>			
	Ethyl acetate			
	WEL short-term (15 min reference period)	1468	mg/m <sup>3</sup> 400	ppm
	WEL long-term (8-hr TWA reference period)	734	mg/m <sup>3</sup> 200	ppm
	<b>List of approved workplace exposure limits (WELs) / EH40</b>			
	Ethyl acetate			
	WEL short-term (15 min reference period)		400	ppm
	WEL long-term (8-hr TWA reference period)		200	ppm
	2	<b>xylene</b>	<b>1330-20-7</b>	<b>215-535-7</b>
<b>2000/39/EC</b>				
Xylene, mixed isomers, pure				
WEL short-term (15 min reference period)		442	mg/m <sup>3</sup> 100	ppm
WEL long-term (8-hr TWA reference period)		221	mg/m <sup>3</sup> 50	ppm
Skin resorption / sensibilisation		Skin		
<b>List of approved workplace exposure limits (WELs) / EH40</b>				
Xylene, o-, m-, p- or mixed isomers				
WEL short-term (15 min reference period)		441	mg/m <sup>3</sup> 100	ppm
WEL long-term (8-hr TWA reference period)		220	mg/m <sup>3</sup> 50	ppm
Comments	Sk, BMGV			
3	<b>2-methylpropan-1-ol</b>	<b>78-83-1</b>	<b>201-148-0</b>	
	<b>List of approved workplace exposure limits (WELs) / EH40</b>			
	2-Methylpropan-1-ol			
	WEL short-term (15 min reference period)	231	mg/m <sup>3</sup> 75	ppm
	WEL long-term (8-hr TWA reference period)	154	mg/m <sup>3</sup> 50	ppm
4	<b>ethylbenzene</b>	<b>100-41-4</b>	<b>202-849-4</b>	
	<b>2000/39/EC</b>			
	Ethylbenzene			
	WEL short-term (15 min reference period)	884	mg/m <sup>3</sup> 200	ppm
	WEL long-term (8-hr TWA reference period)	442	mg/m <sup>3</sup> 100	ppm
	Skin resorption / sensibilisation	Skin		
	<b>List of approved workplace exposure limits (WELs) / EH40</b>			
	Ethylbenzene			
	WEL short-term (15 min reference period)	552	mg/m <sup>3</sup> 125	ppm
	WEL long-term (8-hr TWA reference period)	441	mg/m <sup>3</sup> 100	ppm
Comments	Sk			
5	<b>methanol</b>	<b>67-56-1</b>	<b>200-659-6</b>	
	<b>2006/15/EC</b>			
	Methanol			
	WEL long-term (8-hr TWA reference period)	260	mg/m <sup>3</sup> 200	ppm
	Skin resorption / sensibilisation	Skin		
	<b>List of approved workplace exposure limits (WELs) / EH40</b>			
	Methanol			
WEL short-term (15 min reference period)	333	mg/m <sup>3</sup> 250	ppm	
WEL long-term (8-hr TWA reference period)	266	mg/m <sup>3</sup> 200	ppm	
Comments	Sk			

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## DNEL, DMEL and PNEC values

### DNEL values (worker)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	<b>ethyl-acetate</b>			<b>141-78-6</b> <b>205-500-4</b>	
	dermal	Long term (chronic)	systemic	63	mg/kg/day
	inhalative	Short term (acut)	systemic	1468	mg/m <sup>3</sup>
	inhalative	Long term (chronic)	local	734	mg/m <sup>3</sup>
	inhalative	Short term (acut)	local	1468	mg/m <sup>3</sup>
	inhalative	Long term (chronic)	systemic	734	mg/m <sup>3</sup>
2	<b>xylene</b>			<b>1330-20-7</b> <b>215-535-7</b>	
	dermal	Long term (chronic)		180	mg/kg/day
	inhalative	Short term (acut)		289	mg/m <sup>3</sup>
	inhalative	Long term (chronic)		77	mg/m <sup>3</sup>
3	<b>methanol</b>			<b>67-56-1</b> <b>200-659-6</b>	
	dermal	Short term (acut)	systemic	40	mg/kg/day
	dermal	Long term (chronic)	systemic	40	mg/kg/day
	inhalative	Short term (acut)	systemic	260	mg/m <sup>3</sup>
	inhalative	Short term (acut)	local	260	mg/m <sup>3</sup>
	inhalative	Long term (chronic)	systemic	260	mg/m <sup>3</sup>
	inhalative	Long term (chronic)	local	260	mg/m <sup>3</sup>

### DNEL value (consumer)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	<b>ethyl-acetate</b>			<b>141-78-6</b> <b>205-500-4</b>	
	oral	Long term (chronic)	systemic	4.5	mg/kg/day
	dermal	Long term (chronic)	systemic	37	mg/kg/day
	inhalative	Short term (acut)	systemic	734	mg/m <sup>3</sup>
	inhalative	Long term (chronic)	local	367	mg/m <sup>3</sup>
	inhalative	Short term (acut)	local	734	mg/m <sup>3</sup>
	inhalative	Long term (chronic)	systemic	367	mg/m <sup>3</sup>
	2	<b>xylene</b>			<b>1330-20-7</b> <b>215-535-7</b>
oral		Long term (chronic)		1.6	mg/kg/day
dermal		Long term (chronic)		108	mg/kg/day
inhalative		Short term (acut)		174	mg/m <sup>3</sup>
inhalative		Long term (chronic)		14.8	mg/m <sup>3</sup>
3		<b>methanol</b>			<b>67-56-1</b> <b>200-659-6</b>
	oral	Long term (chronic)	systemic	8	mg/kg/day
	oral	Short term (acut)	systemic	8	mg/kg/day
	dermal	Short term (acut)	systemic	8	mg/kg/day
	dermal	Long term (chronic)	systemic	8	mg/kg/day
	inhalative	Short term (acut)	systemic	50	mg/m <sup>3</sup>
	inhalative	Short term (acut)	local	50	mg/m <sup>3</sup>
	inhalative	Long term (chronic)	systemic	50	mg/m <sup>3</sup>
	inhalative	Long term (chronic)	local	50	mg/m <sup>3</sup>

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## PNEC values

No	Substance name	CAS / EC no	
	ecological compartment	Type	Value
1	<b>ethyl-acetate</b>	<b>141-78-6</b> <b>205-500-4</b>	
	water	fresh water	0.24 mg/L
	water	marine water	0.024 mg/L
	water	Aqua intermittent	1.65 mg/L
	water	fresh water sediment	1.15 mg/kg dry weight
	water	marine water sediment	0.115 mg/kg dry weight
	soil	-	0.148 mg/kg dry weight
	sewage treatment plant	-	650 mg/L
	secondary poisoning	-	200 mg/kg
2	<b>xylene</b>	<b>1330-20-7</b> <b>215-535-7</b>	
	water	fresh water	0.327 mg/L
	water	marine water	0.327 mg/L
	water	fresh water sediment	12.46 mg/kg
	water	marine water sediment	12.46 mg/kg
	soil	-	2.31 mg/kg
	sewage treatment plant	-	6.58 mg/L
3	<b>methanol</b>	<b>67-56-1</b> <b>200-659-6</b>	
	water	fresh water	20.80 mg/L
	water	marine water	2.08 mg/L
	water	fresh water sediment	77.00 mg/kg
	with reference to: dry weight		
	water	marine water sediment	7.70 mg/kg
	with reference to: dry weight		
	soil	-	100 mg/kg
	with reference to: dry weight		
	sewage treatment plant	-	100.00 mg/L

## 8.2 Exposure controls

### Appropriate engineering controls

No data available.

### Personal protective equipment

#### Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified. Breathing apparatus in the event of high concentrations. Breathing apparatus: gas filter A, code colour: brown

#### Eye / face protection

Safety glasses with side protection shield (EN 166)

#### Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Appropriate Material	butyl rubber		
Material thickness	>=	0.5	mm
Breakthrough time	>	240	min

#### Other

Light protective clothing



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## Environmental exposure controls

No data available.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Form/Colour</b>	
liquid	
clear	
<b>Odour</b>	
characteristic	
<b>Odour threshold</b>	
No data available	
<b>pH value</b>	
No data available	
<b>Boiling point / boiling range</b>	
Value	76 °C
<b>Melting point / melting range</b>	
No data available	
<b>Decomposition point / decomposition range</b>	
No data available	
<b>Flash point</b>	
Value	2 °C
<b>Ignition temperature</b>	
Value	315 °C
<b>Auto-ignition temperature</b>	
No data available	
<b>Oxidising properties</b>	
No data available	
<b>Explosive properties</b>	
No data available	
<b>Flammability (solid, gas)</b>	
No data available	
<b>Lower flammability or explosive limits</b>	
No data available	
<b>Upper flammability or explosive limits</b>	
No data available	
<b>Vapour pressure</b>	
Value	100 hPa
Reference temperature	20 °C
<b>Vapour density</b>	
No data available	
<b>Evaporation rate</b>	
No data available	
<b>Relative density</b>	
No data available	
<b>Density</b>	
Value	1.105 g/cm <sup>3</sup>
Reference temperature	20 °C

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Solubility in water	
Comments	immiscible

Solubility(ies)	
No data available	

Partition coefficient: n-octanol/water			
No	Substance name	CAS no.	EC no.
1	ethyl-acetate	141-78-6	205-500-4
log Pow		6.8	
Reference temperature		25	°C
Source		ECHA	
2	methanol	67-56-1	200-659-6
log Pow		-0.77	
Source		ECHA	

Viscosity			
Value		3500	mPa*s
Reference temperature		20	°C
Type		dynamic	

## 9.2 Other information

Other information	
No data available.	

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No data available.

### 10.2 Chemical stability

No data available.

### 10.3 Possibility of hazardous reactions

No data available.

### 10.4 Conditions to avoid

No data available.

### 10.5 Incompatible materials

Oxidizing agents; Acids

### 10.6 Hazardous decomposition products

No hazardous decomposition products known.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Acute oral toxicity (result of the ATE calculation for the mixture)	
No	Product Name
1	VORANSTRICH FÜR SILICON LUGATO Professional Siliconvoranstrich 130
Comments	The result of the applied calculation method according to the European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6, Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the respective categories (ATE oral > 2000 mg/kg).

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Acute oral toxicity			
No	Substance name	CAS no.	EC no.
1	ethyl-acetate	141-78-6	205-500-4
LD50	>	5600	mg/kg bodyweight
Species	rat		
Source	ECHA		
2	xylene	1330-20-7	215-535-7
LD50	>	4000	mg/kg bodyweight
Species	rat		
Method	OECD 423		
Source	ECHA		

Acute dermal toxicity (result of the ATE calculation for the mixture)	
No	Product Name
1	VORANSTRICH FÜR SILICON LUGATO Professional Siliconvoranstrich 130
Comments	The result of the applied calculation method according to the European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6, Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the respective categories (ATE dermal > 2000 mg/kg).

Acute dermal toxicity			
No	Substance name	CAS no.	EC no.
1	ethyl-acetate	141-78-6	205-500-4
LD50	>	20000	mg/kg bodyweight
Species	rabbit		
Source	ECHA		
2	methanol	67-56-1	200-659-6
LD50		17100	mg/kg bodyweight
Species	rabbit		
Source	ECHA		

Acute inhalational toxicity (result of the ATE calculation for the mixture)	
No	Product Name
1	VORANSTRICH FÜR SILICON LUGATO Professional Siliconvoranstrich 130
Comments	The result of the applied calculation method according to the European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6, Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the respective categories (ATE for inhalation: > 20.000 ppmV (gases), > 20 mg/l (vapours), > 5 mg/l (dusts/mists).

Acute inhalational toxicity	
No data available	

Skin corrosion/irritation			
No	Substance name	CAS no.	EC no.
1	ethyl-acetate	141-78-6	205-500-4
Species	rabbit		
Method	OECD 404		
Source	ECHA		
Evaluation	low-irritant		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	xylene	1330-20-7	215-535-7
Duration of exposure		24	h
Species	rabbit		
Source	ECHA		
Evaluation	irritant		

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<b>Serious eye damage/irritation</b>			
No	Substance name	CAS no.	EC no.
1	ethyl-acetate	141-78-6	205-500-4
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	low-irritant		
2	xylene	1330-20-7	215-535-7
Species	rabbit		
Source	ECHA		
Evaluation	irritant		
Evaluation/classification	Based on available data, the classification criteria are not met.		
<b>Respiratory or skin sensitisation</b>			
No	Substance name	CAS no.	EC no.
1	ethyl-acetate	141-78-6	205-500-4
Route of exposure	Skin		
Species	guinea pig		
Method	OECD 406		
Source	ECHA		
Evaluation	non-sensitizing		
<b>Germ cell mutagenicity</b>			
No data available			
<b>Reproduction toxicity</b>			
No data available			
<b>Carcinogenicity</b>			
No data available			
<b>STOT - single exposure</b>			
No data available			
<b>STOT - repeated exposure</b>			
No data available			
<b>Aspiration hazard</b>			
No data available			
<b>Delayed and immediate effects as well as chronic effects from short and long-term exposure</b>			
Inhalation of vapours may lead to headache, drowsiness and dizziness. Repeated and prolonged skin contact may cause removal of natural fat from the skin and irritation of the skin. Eye contact with the product may lead to irritation.			

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## SECTION 12: Ecological information

### 12.1 Toxicity

Toxicity to fish (acute)			
No	Substance name	CAS no.	EC no.
1	ethyl-acetate	141-78-6	205-500-4
LC50		230	mg/l
Duration of exposure		96	h
Species	Pimephales promelas		
Source	ECHA		
2	xylene	1330-20-7	215-535-7
LC50		2.6	mg/l
Duration of exposure		96	h
Species	Oncorhynchus mykiss		
Method	OECD 203		
Source	ECHA		
3	methanol	67-56-1	200-659-6
LC50		15400	mg/l
Duration of exposure		96	h
Species	Lepomis macrochirus		
Method	EPA-660 / 3-75-009		
Source	ECHA		

Toxicity to fish (chronic)			
No data available			

Toxicity to Daphnia (acute)			
No	Substance name	CAS no.	EC no.
1	ethyl-acetate	141-78-6	205-500-4
EC50		1350	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Source	ECHA		
2	methanol	67-56-1	200-659-6
EC50		22200	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		

Toxicity to Daphnia (chronic)			
No data available			

Toxicity to algae (acute)			
No	Substance name	CAS no.	EC no.
1	methanol	67-56-1	200-659-6
EC50		appr.	22000
Duration of exposure			96
Species	Pseudokirchneriella subcapitata		
Method	OECD 201		
Source	ECHA		

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## Toxicity to algae (chronic)

No data available

## Bacteria toxicity

No data available

## 12.2 Persistence and degradability

### Biodegradability

No	Substance name	CAS no.	EC no.
1	ethyl-acetate	141-78-6	205-500-4
Source	ECHA		
Evaluation	readily biodegradable		
2	xylene	1330-20-7	215-535-7
Type	aerobic biodegradation		
Value	87.8	%	
Duration	28	day(s)	
Method	OECD 301 F		
Source	ECHA		
Evaluation	readily biodegradable		
3	methanol	67-56-1	200-659-6
Type	BOD		
Value	95	%	
Duration	20	day(s)	
Source	ECHA		
Evaluation	readily biodegradable		

## 12.3 Bioaccumulative potential

### Bioconcentration factor (BCF)

No	Substance name	CAS no.	EC no.
1	xylene	1330-20-7	215-535-7
BCF	7.4	-	18.5
Species	Oncorhynchus mykiss		

### Partition coefficient: n-octanol/water

No	Substance name	CAS no.	EC no.
1	ethyl-acetate	141-78-6	205-500-4
log Pow	6.8		
Reference temperature	25	°C	
Source	ECHA		
2	methanol	67-56-1	200-659-6
log Pow	-0.77		
Source	ECHA		

## 12.4 Mobility in soil

No data available.

## 12.5 Results of PBT and vPvB assessment

No data available.

## 12.6 Other adverse effects

No data available.

## 12.7 Other information

### Other information

Do not discharge product unmonitored into the environment.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

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## Packaging

Packaging that cannot be cleaned should be disposed of in agreement with the regional waste disposal company. Completely emptied packagings can be given for recycling.

## SECTION 14: Transport information

### 14.1 Transport ADR/RID/ADN

Class	3
Classification code	F1
Packing group	I
Hazard identification no.	33
UN number	UN1263
Proper shipping name	PAINT RELATED MATERIAL
Tunnel restriction code	D/E
Label	3

### 14.2 Transport IMDG

Class	3
Packing group	I
UN number	UN1263
Proper shipping name	PAINT RELATED MATERIAL
EmS	F-E, S-E
Label	3

### 14.3 Transport ICAO-TI / IATA

Class	3
Packing group	I
UN number	UN1263
Proper shipping name	Paint related material
Label	3

### 14.4 Other information

No data available.

### 14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

### 14.6 Special precautions for user

No data available.

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

Not relevant

## SECTION 15: Regulatory information

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

#### EU regulations

#### **Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

#### **REACH candidate list of substances of very high concern (SVHC) for authorisation**

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

#### **Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, PREPARATIONS AND ARTICLES**

The product is considered being subject to REACH regulation (EC) 1907/2006 annexe XVII.	No 3, 40
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The product contains following substance(s) that are considered being subject to REACH regulation (EC) 1907/2006 annex XVII.

No	Substance name	CAS no.	EC no.	No
1	methanol	67-56-1	200-659-6	69

#### Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances

This product is subject to Part I of Annex I, risk category: P5b

## 15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

## SECTION 16: Other information

### Sources of key data used to compile the data sheet:

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EU

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.

### Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)

EUH066	Repeated exposure may cause skin dryness or cracking.
H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H370	Causes damage to organs.
H373	May cause damage to organs through prolonged or repeated exposure

### Notes relating to the identification, classification and labelling of substances and mixtures ((EC) No 1272/2008, Annex VI)

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.
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### Department issuing safety data sheet

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This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

Alterations/supplements:

Alterations to the previous edition are marked in the left-hand margin.

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