

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Lösemittelgemisch gemäß MAN 3106 Typ E6

Revision date: 16.02.2023

Product code: 34347

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

### 1.1. Product identifier

Lösemittelgemisch gemäß MAN 3106 Typ E6

UFI: TU32-E3X0-C00S-YFE4

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

#### Use of the substance/mixture

Laboratory chemicals

Industrial uses: Uses of substances as such or in preparations at industrial sites

Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

#### Uses advised against

Do not use for private purposes (household).

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

Company name:	AnalytiChem GmbH	
Street:	Stempelstraße 6	
Place:	D-47167 Duisburg	
Telephone:	0203/5194-0	Telefax: 0203/5194-290
e-mail:	info@analytichem.de	
Contact person:	Abteilung Produktsicherheit	Telephone: 0203/5194-107/117
e-mail:	produktsicherheit@analytichem.de	
Internet:	www.analytichem.de	
Responsible Department:	Abteilung Produktsicherheit	

### 1.4. Emergency telephone number:

For Hazardous Materials [or Dangerous Goods] Incidents Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Day or Night Within USA and Canada: 1-800-424-9300 Outside USA and Canada: +1 703-741-5970 (collect calls accepted)

### Further Information

This product is a mixture. REACH Registration Number see section 3.

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Regulation (EC) No 1272/2008

Flam. Liq. 3; H226  
Asp. Tox. 1; H304  
Skin Irrit. 2; H315  
Eye Dam. 1; H318  
Carc. 2; H351  
STOT SE 3; H335  
STOT SE 3; H336  
STOT RE 2; H373  
Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

### 2.2. Label elements

#### Regulation (EC) No 1272/2008

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**Hazard components for labelling**

Hydrocarbons, C9, aromatics (solvesso 100)  
xylene (mix)  
butanol  
propan-1-ol  
4-methylpentan-2-one

**Signal word:** Danger

**Pictograms:**



**Hazard statements**

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.

**Precautionary statements**

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260	Do not breathe mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P331	Do NOT induce vomiting.
P403+P235	Store in a well-ventilated place. Keep cool.

**Special labelling of certain mixtures**

EUH066	Repeated exposure may cause skin dryness or cracking.
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**2.3. Other hazards**

No data available

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

**3.2. Mixtures**

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**Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
	Hydrocarbons, C9, aromatics (solvesso 100)			20 - < 25 %
			01-2119455851-35	
	Flam. Liq. 3, STOT SE 3, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H226 H335 H336 H304 H411 EUH066			
	xylene (mix)			20 - < 25 %
	905-588-0	601-022-00-9	01-2119488216-32	
	Flam. Liq. 3, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, STOT SE 3, STOT RE 2, Asp. Tox. 1; H226 H332 H312 H315 H319 H335 H373 H304			
71-36-3	butanol			15 - < 20 %
	200-751-6	603-004-00-6	01-2119484630-38	
	Flam. Liq. 3, Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, STOT SE 3, STOT SE 3; H226 H302 H315 H318 H335 H336			
107-98-2	1-methoxy-2-propanol			15 - < 20 %
	203-539-1	603-064-00-3	01-2119457435-35	
	Flam. Liq. 3, STOT SE 3; H226 H336			
71-23-8	propan-1-ol			15 - < 20 %
	200-746-9	603-003-00-0	01-2119486761-29	
	Flam. Liq. 2, Eye Dam. 1, STOT SE 3; H225 H318 H336			
108-10-1	4-methylpentan-2-one			1 - < 5 %
	203-550-1	606-004-00-4	01-2119473980-30	
	Flam. Liq. 2, Carc. 2, Acute Tox. 4, Eye Irrit. 2, STOT SE 3; H225 H351 H332 H319 H336 EUH066			

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

**Specific Conc. Limits, M-factors and ATE**

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
		Hydrocarbons, C9, aromatics (solvesso 100)	20 - < 25 %
		dermal: LD50 = > 3160 mg/kg	
	905-588-0	xylene (mix)	20 - < 25 %
		inhalation: LC50 = 6700 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: LD50 = 12126 mg/kg; oral: LD50 = 3523 mg/kg	
71-36-3	200-751-6	butanol	15 - < 20 %
		dermal: LD50 = ca. 3430 mg/kg; oral: LD50 = ca. 2292 mg/kg	
107-98-2	203-539-1	1-methoxy-2-propanol	15 - < 20 %
		dermal: LD50 = > 2000 mg/kg; oral: LD50 = 4277 mg/kg	
71-23-8	200-746-9	propan-1-ol	15 - < 20 %
		dermal: LD50 = 4032 mg/kg; oral: LD50 = ca. 8000 mg/kg	
108-10-1	203-550-1	4-methylpentan-2-one	1 - < 5 %
		inhalation: ATE 11 mg/l (vapours)	

**Further Information**

This product does not contain substances of very high concern according to Regulation (EC) No 1907/2006 (REACH), Article 57 above the respective regulatory concentration limit of = 0.1 % (w/w).

**SECTION 4: First aid measures**

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#### **4.1. Description of first aid measures**

##### **General information**

Self-protection of the first aider  
Remove person to fresh air and keep comfortable for breathing.

##### **After inhalation**

Provide fresh air.  
If breathing is irregular or stopped, administer artificial respiration.  
Call a physician immediately.

##### **After contact with skin**

Wash immediately with: Water  
Take off immediately all contaminated clothing and wash it before reuse.  
Call a physician immediately.

##### **After contact with eyes**

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.  
Protect uninjured eye.

##### **After ingestion**

Observe risk of aspiration if vomiting occurs.  
Call a physician immediately.

#### **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**

Co-ordinate fire-fighting measures to the fire surroundings.

##### **Unsuitable extinguishing media**

no restriction

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

Combustible liquids  
Hazardous combustion products  
In case of fire may be liberated: Carbon dioxide (CO<sub>2</sub>), Carbon monoxide  
Vapours are heavier than air, spread along floors and form explosive mixtures with air.  
Heating causes rise in pressure with risk of bursting.  
Beware of reignition.

#### **5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus.  
In case of fire and/or explosion do not breathe fumes.  
Avoid contact with skin, eyes and clothes.

##### **Additional information**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.  
Move undamaged containers from immediate hazard area if it can be done safely.  
Use water spray jet to protect personnel and to cool endangered containers.

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

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

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**General advice**

Do not breathe vapour/aerosol. Vapours can form explosive mixtures with air.

**For non-emergency personnel**

Provide adequate ventilation.  
Use personal protection equipment.  
Avoid contact with skin, eyes and clothes.  
Remove persons to safety.  
Emergency procedures  
Do not breathe dust/fume/gas/mist/vapours/spray.

**For emergency responders**

Precautionary statements For emergency responders : Personal protection equipment: see section 8

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains.  
The vapour of the product is heavier than air and may accumulate below ground level, in pits, channels and basements in higher concentration.  
Danger of explosion

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

**For containment**

Cover drains. Prevent spread over a wide area (e.g. by containment or oil barriers). Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Collect in closed and suitable containers for disposal.

**For cleaning up**

Clean contaminated articles and floor according to the environmental legislation.

**Other information**

Provide adequate ventilation.  
Do not breathe dust/fume/gas/mist/vapours/spray.  
Wear breathing apparatus if exposed to vapours/dusts/aerosols.

**6.4. Reference to other sections**

Safe handling: see section 7  
Personal protection equipment: see section 8  
Disposal: see section 13

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

**Advice on safe handling**

Read label before use. Handle and open container with care.  
When using do not eat, drink, smoke, sniff. Keep container tightly closed.  
Use personal protection equipment. Use extractor hood (laboratory).  
Do not breathe gas/fumes/vapour/spray. Provide adequate ventilation.

**Advice on protection against fire and explosion**

Take action to prevent static discharges. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Vapours can form explosive mixtures with air.

**Advice on general occupational hygiene**

Keep away from food, drink and animal feedingstuffs.

**Further information on handling**

Take off immediately all contaminated clothing and wash it before reuse.  
Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. If handled uncovered, arrangements with local exhaust ventilation have to be used.

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

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**Requirements for storage rooms and vessels**

Keep in a cool, well-ventilated place.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

**Further information on storage conditions**

Keep container tightly closed.

Keep cool. Protect from sunlight.

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

Laboratory chemicals

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

**8.1. Control parameters**

**Occupational exposure limits**

CAS No	Substance	ppm	mg/m <sup>3</sup>	fib/cm <sup>3</sup>	Category	Origin
71-36-3	Butan-1-ol	20	-		TWA (8 h)	
108-10-1	Methyl isobutyl ketone (MIBK)	20	83		TWA (8 h)	
		50	208		STEL (15 min)	
71-23-8	n-Propyl alcohol; (n-Propanol)	100	-		TWA (8 h)	
107-98-2	Propylene glycol monomethyl ether	100	375		TWA (8 h)	
		150	568		STEL (15 min)	
1330-20-7	Xylene, mixed isomers	50	221		TWA (8 h)	
		100	442		STEL (15 min)	

**Biological limit values**

CAS No	Substance	Parameter	Value	Test material	Sampling time
108-10-1	Methyl isobutyl ketone (MIBK; 4-methylpentan-2-one)	MIBK	1 mg/L	Urine	End of shift

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**DNEL/DMEL values**

CAS No	Substance	Exposure route	Effect	Value
	Hydrocarbons, C9, aromatics (solvesso 100)			
	Worker DNEL, long-term	dermal	systemic	25 mg/kg bw/day
	Consumer DNEL, long-term	inhalation	systemic	32 mg/m <sup>3</sup>
	Consumer DNEL, long-term	dermal	systemic	11 mg/kg bw/day
	Consumer DNEL, long-term	oral	systemic	11 mg/kg bw/day
	Worker DNEL, long-term	inhalation	systemic	150 mg/m <sup>3</sup>
	xylene (mix)			
	Worker DNEL, long-term	inhalation	systemic	221 mg/m <sup>3</sup>
	Worker DNEL, acute	inhalation	systemic	442 mg/m <sup>3</sup>
	Worker DNEL, long-term	inhalation	local	221 mg/m <sup>3</sup>
	Worker DNEL, acute	inhalation	local	442 mg/m <sup>3</sup>
	Worker DNEL, long-term	dermal	systemic	212 mg/kg bw/day
	Consumer DNEL, long-term	inhalation	systemic	65,3 mg/m <sup>3</sup>
	Consumer DNEL, acute	inhalation	systemic	260 mg/m <sup>3</sup>
	Consumer DNEL, long-term	inhalation	local	65,3 mg/m <sup>3</sup>
	Consumer DNEL, acute	inhalation	local	260 mg/m <sup>3</sup>
	Consumer DNEL, long-term	dermal	systemic	125 mg/kg bw/day
	Consumer DNEL, long-term	oral	systemic	12,5 mg/kg bw/day
71-36-3	butanol			
	Worker DNEL, long-term	inhalation	local	310 mg/m <sup>3</sup>
	Consumer DNEL, long-term	inhalation	systemic	55,357 mg/m <sup>3</sup>
	Consumer DNEL, long-term	inhalation	local	155 mg/m <sup>3</sup>
	Consumer DNEL, long-term	dermal	systemic	3,125 mg/kg bw/day
	Consumer DNEL, long-term	oral	systemic	1,562 mg/kg bw/day
107-98-2	1-methoxy-2-propanol			
	Worker DNEL, long-term	inhalation	systemic	369 mg/m <sup>3</sup>
	Worker DNEL, acute	inhalation	systemic	553,5 mg/m <sup>3</sup>
	Worker DNEL, acute	inhalation	local	553,5 mg/m <sup>3</sup>
	Worker DNEL, long-term	dermal	systemic	183 mg/kg bw/day
	Consumer DNEL, long-term	inhalation	systemic	43,9 mg/m <sup>3</sup>
	Consumer DNEL, long-term	dermal	systemic	78 mg/kg bw/day
	Consumer DNEL, long-term	oral	systemic	33 mg/kg bw/day
71-23-8	propan-1-ol			
	Worker DNEL, long-term	inhalation	systemic	268 mg/m <sup>3</sup>
	Worker DNEL, acute	inhalation	systemic	1723 mg/m <sup>3</sup>
	Worker DNEL, long-term	dermal	systemic	136 mg/kg bw/day
	Consumer DNEL, long-term	inhalation	systemic	80 mg/m <sup>3</sup>
	Consumer DNEL, acute	inhalation	systemic	1036 mg/m <sup>3</sup>

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Consumer DNEL, long-term	dermal	systemic	81 mg/kg bw/day
Consumer DNEL, long-term	oral	systemic	61 mg/kg bw/day
108-10-1	4-methylpentan-2-one		
Worker DNEL, long-term	inhalation	systemic	83 mg/m <sup>3</sup>
Worker DNEL, acute	inhalation	systemic	208 mg/m <sup>3</sup>
Worker DNEL, long-term	inhalation	local	83 mg/m <sup>3</sup>
Worker DNEL, acute	inhalation	local	208 mg/m <sup>3</sup>
Worker DNEL, long-term	dermal	systemic	11,8 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	14,7 mg/m <sup>3</sup>
Consumer DNEL, acute	inhalation	systemic	155,2 mg/m <sup>3</sup>
Consumer DNEL, long-term	inhalation	local	14,7 mg/m <sup>3</sup>
Consumer DNEL, acute	inhalation	local	155,2 mg/m <sup>3</sup>
Consumer DNEL, long-term	dermal	systemic	4,2 mg/kg bw/day
Consumer DNEL, long-term	oral	systemic	4,2 mg/kg bw/day



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**PNEC values**

CAS No	Substance	Value
Environmental compartment		
	xylene (mix)	
Freshwater		0,327 mg/l
Freshwater (intermittent releases)		0,327 mg/l
Marine water		0,327 mg/l
Freshwater sediment		12,46 mg/kg
Marine sediment		12,46 mg/kg
Micro-organisms in sewage treatment plants (STP)		6,58 mg/l
Soil		2,31 mg/kg
71-36-3	butanol	
Freshwater		0,082 mg/l
Freshwater (intermittent releases)		2,25 mg/l
Marine water		0,008 mg/l
Freshwater sediment		0,324 mg/kg
Marine sediment		0,032 mg/kg
Micro-organisms in sewage treatment plants (STP)		2476 mg/l
Soil		0,017 mg/kg
107-98-2	1-methoxy-2-propanol	
Freshwater		10 mg/l
Freshwater (intermittent releases)		100 mg/l
Marine water		1 mg/l
Freshwater sediment		52,3 mg/kg
Marine sediment		5,2 mg/kg
Micro-organisms in sewage treatment plants (STP)		100 mg/l
Soil		4,59 mg/kg
71-23-8	propan-1-ol	
Freshwater		6,83 mg/l
Freshwater (intermittent releases)		10 mg/l
Marine water		0,683 mg/l
Freshwater sediment		27,5 mg/kg
Marine sediment		2,75 mg/kg
Micro-organisms in sewage treatment plants (STP)		96 mg/l
Soil		1,49 mg/kg
108-10-1	4-methylpentan-2-one	
Freshwater		0,6 mg/l
Freshwater (intermittent releases)		1,5 mg/l
Marine water		0,06 mg/l
Freshwater sediment		8,27 mg/kg
Marine sediment		0,83 mg/kg
Micro-organisms in sewage treatment plants (STP)		27,5 mg/l
Soil		1,3 mg/kg

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#### **8.2. Exposure controls**

##### **Appropriate engineering controls**

Technical measures and the application of suitable work processes have priority over personal protection equipment.

If handled uncovered, arrangements with local exhaust ventilation have to be used.

##### **Individual protection measures, such as personal protective equipment**

##### **Eye/face protection**

goggles

Face protection umbrella

##### **Hand protection**

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Protective gloves are recommended Company KCL GmbH, D-36124 Eichenzell, email: [vertrieb@kcl.de](mailto:vertrieb@kcl.de) With specification (test according to EN374):

By long-term hand contact: No data available

By short-term hand contact

Trade name/designation: KCL 890 Vitoject®

Recommended material: FKM (fluoro rubber) 0,7 mm

Wearing time with occasional contact (splashes): > 32 min

The breakthrough times stated above were determined by KCL in laboratory tests acc. to EN374 with samples of the recommended glove types. This recommendation applies only to the product stated in the safety data sheet (>,<) supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: [www.kcl.de](http://www.kcl.de)).

##### **Skin protection**

Take off immediately all contaminated clothing and wash it before reuse.

Wear fire resistant or flame retardant clothing.

Wash hands and face before breaks and after work and take a shower if necessary.

Draw up and observe skin protection programme.

##### **Respiratory protection**

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

##### **Thermal hazards**

No data available

##### **Environmental exposure controls**

Do not allow to enter into surface water or drains.

Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches.

Danger of explosion

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

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

Physical state:	Liquid
Colour:	clear
Odour:	characteristic

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Odour threshold:	No data available	
Melting point/freezing point:		No data available
Boiling point or initial boiling point and boiling range:		>35 °C
Flammability:		No data available
Lower explosion limits:		No data available
Upper explosion limits:		No data available
Flash point:		>23 °C
Auto-ignition temperature:		No data available
Decomposition temperature:		No data available
pH-Value:		No data available
Viscosity / kinematic:		No data available
Water solubility:		No data available
Solubility in other solvents		
No data available		
Dissolution rate:		No data available
Partition coefficient n-octanol/water:		No data available
Dispersion stability:		No data available
Vapour pressure:		No data available
Vapour pressure:		No data available
Density:		~0,836 g/cm <sup>3</sup>
Relative density:		No data available
Bulk density:		No data available
Relative vapour density:		No data available
Particle characteristics:		No data available

**9.2. Other information**

**Information with regard to physical hazard classes**

**Explosive properties**

Vapours are heavier than air, spread along floors and form explosive mixtures with air.

Sustaining combustion: No data available

**Self-ignition temperature**

Solid: No data available

Gas: No data available

**Oxidizing properties**

No data available

**Other safety characteristics**

Evaporation rate: No data available

Solvent separation test: No data available

Solvent content: No data available

Solid content: No data available

Sublimation point: No data available

Softening point: No data available

Pour point: No data available

: No data available

Viscosity / dynamic: No data available

Flow time: No data available

**Further Information**

No data available

**SECTION 10: Stability and reactivity**

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#### **10.1. Reactivity**

Vapours may form explosive mixtures with air.

#### **10.2. Chemical stability**

The product is stable under storage at normal ambient temperatures.

#### **10.3. Possibility of hazardous reactions**

Oxidising agent

#### **10.4. Conditions to avoid**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

#### **10.5. Incompatible materials**

plastic

#### **10.6. Hazardous decomposition products**

SECTION 5: Firefighting measures

#### **Further information**

No data available

### SECTION 11: Toxicological information

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

##### **Toxicokinetics, metabolism and distribution**

There are no data available on the preparation/mixture itself.

##### **Acute toxicity**

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

##### **ATEmix calculated**

ATE (oral) 2577,1 mg/kg; ATE (dermal) 5285,2 mg/kg; ATE (inhalation vapour) 42,97 mg/l; ATE (inhalation dust/mist) 7,207 mg/l

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
	Hydrocarbons, C9, aromatics (solvesso 100)				
	dermal	LD50 > 3160 mg/kg	Rabbit	Study report (1984)	OECD Guideline 402
	xylene (mix)				
	oral	LD50 3523 mg/kg	Rat	Study report (1986)	EU Method B.1
	dermal	LD50 12126 mg/kg	Rabbit	Publication (1962)	Single dermal dose under occlusion follo
	inhalation (4 h) vapour	LC50 6700 mg/l	Rat	Toxicol Appl Pharmacol 33:543-558. (1975)	EU Method B.2
	inhalation dust/mist	ATE 1,5 mg/l			
71-36-3	butanol				
	oral	LD50 ca. 2292 mg/kg	Rat	Study report (1967)	OECD Guideline 401
	dermal	LD50 ca. 3430 mg/kg	Rabbit	Study report (1951)	OECD Guideline 402
107-98-2	1-methoxy-2-propanol				
	oral	LD50 4277 mg/kg	Rat	Study report (1985)	EU Method B.1
	dermal	LD50 > 2000 mg/kg	Rat	Study report (1985)	EU Method B.3
71-23-8	propan-1-ol				
	oral	LD50 ca. 8000 mg/kg	Rat	Study report (1975)	OECD Guideline 401
	dermal	LD50 4032 mg/kg	Rabbit	Arch. ind. hyg. occupat. med. 10, 61-68.	OECD Guideline 402
108-10-1	4-methylpentan-2-one				
	inhalation vapour	ATE 11 mg/l			

**Irritation and corrosivity**

Causes skin irritation.  
Causes serious eye damage.

**Sensitising effects**

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

**Carcinogenic/mutagenic/toxic effects for reproduction**

Suspected of causing cancer. (4-methylpentan-2-one)  
Germ cell mutagenicity: Based on available data, the classification criteria are not met.  
Reproductive toxicity: Based on available data, the classification criteria are not met.

**STOT-single exposure**

May cause respiratory irritation. (Hydrocarbons, C9, aromatics (solvesso 100); xylene (mix))  
May cause drowsiness or dizziness. (Hydrocarbons, C9, aromatics (solvesso 100))

**STOT-repeated exposure**

Repeated exposure may cause skin dryness or cracking. May cause damage to organs through prolonged or repeated exposure. (xylene (mix))

**Aspiration hazard**

May be fatal if swallowed and enters airways.

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#### Information on likely routes of exposure

There are no data available on the preparation/mixture itself.

#### Specific effects in experiment on an animal

There are no data available on the preparation/mixture itself.

#### Additional information on tests

There are no data available on the preparation/mixture itself.

#### Practical experience

There are no data available on the preparation/mixture itself.

#### 11.2. Information on other hazards

##### Endocrine disrupting properties

There are no data available on the preparation/mixture itself.

##### Other information

There are no data available on the preparation/mixture itself.

##### Further information

There are no data available on the preparation/mixture itself.

### SECTION 12: Ecological information

#### 12.1. Toxicity

Harmful to aquatic life with long lasting effects.

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
	Hydrocarbons, C9, aromatics (solvesso 100)					
	Acute algae toxicity	ErC50 7,9 mg/l	72 h	Pseudokirchneriella subcapitata	Study report (2006)	OECD Guideline 201
	Acute crustacea toxicity	EC50 3,2 mg/l	48 h	Daphnia magna	Study report (1994)	OECD Guideline 202
	Fish toxicity	NOEC mg/l 1,228	28 d	Oncorhynchus mykiss	CONCAWE, Brussels, Belgium (2010)	The aquatic toxicity was estimated by a
	Crustacea toxicity	NOEC mg/l 2,144	21 d	Daphnia magna	CONCAWE, Brussels, Belgium (2010)	The aquatic toxicity was estimated by a
	xylene (mix)					
	Acute fish toxicity	LC50 8,4 mg/l	96 h	Oncorhynchus mykiss	Ecotoxicology and Environmental Safety.	OECD Guideline 203
	Acute algae toxicity	ErC50 4,9 mg/l	72 h	Pseudokirchneriella subcapitata	Ecotoxicology and Environmental Safety.	OECD Guideline 201
	Acute crustacea toxicity	EC50 mg/l > 3,4	48 h	Ceriodaphnia dubia	Ecotoxicology and Environmental Safety 3	other: US EPA 600/4-91-003
	Fish toxicity	NOEC mg/l > 1,3	56 d	Oncorhynchus mykiss	Appl. Sci. Branch, Eng. Res. Cent. Denve	Fish were exposed in artificial streams
	Crustacea toxicity	NOEC mg/l 1,17	7 d	Ceriodaphnia dubia	Ecotoxicology and Environmental Safety 3	other: US EPA 600/4-91-003
	Acute bacteria toxicity	(EC50 mg/l) > 175	0,5 h	Activated sludge	Research Journal WPCF 60(10) 1850-1856 (	OECD Guideline 209
71-36-3	butanol					
	Acute fish toxicity	LC50 mg/l 1376	96 h	Pimephales promelas	Study report (1998)	OECD Guideline 203
	Acute algae toxicity	ErC50 225 mg/l	96 h	Pseudokirchneriella subcapitata	Study report (1998)	OECD Guideline 201
	Acute crustacea toxicity	EC50 mg/l 1328	48 h	Daphnia magna	Study report (1998)	OECD Guideline 202
	Crustacea toxicity	NOEC 4,1 mg/l	21 d	Daphnia magna	Study report (1996)	OECD Guideline 211
107-98-2	1-methoxy-2-propanol					
	Acute fish toxicity	LC50 > 4600 - < 10000 mg/l	96 h	Leuciscus idus	Study report (1989)	other: DIN 38 412, part L15
	Acute algae toxicity	ErC50 mg/l > 1000	96 h	Pseudokirchneriella subcapitata	Study report (1986)	OECD Guideline 201
	Acute crustacea toxicity	EC50 mg/l 21100 - 25900	48 h	Daphnia magna	Study report (1981)	other: Environmental Sciences Research T
71-23-8	propan-1-ol					
	Acute fish toxicity	LC50 mg/l 4555	96 h	Pimephales promelas	Vol. 1, pp 3, 5-16, 65-68. Center for La	OECD Guideline 203

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	Acute crustacea toxicity	EC50 mg/l	3644	48 h	Daphnia magna	Water Res 23: 495-499 (1989)	other: DIN 38412 Part 11, Daphnia- Short
	Crustacea toxicity	NOEC mg/l	> 100	21 d	Daphnia magna	Study report (1997)	OECD Guideline 211
108-10-1	4-methylpentan-2-one						
	Acute fish toxicity	LC50 mg/l	> 179	96 h	Danio rerio	Study report (2010)	OECD Guideline 203
	Acute crustacea toxicity	EC50 mg/l	> 200	48 h	Daphnia magna	Study report (2009)	OECD Guideline 202
	Crustacea toxicity	NOEC	78 mg/l	21 d	Daphnia magna	Grey literature (1988)	other: "Vorläufigen Testverfahrensvor- sch

**12.2. Persistence and degradability**

There are no data available on the mixture itself.

**12.3. Bioaccumulative potential**

There are no data available on the mixture itself.

**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
	xylene (mix)	3,2
71-36-3	butanol	10
107-98-2	1-methoxy-2-propanol	< 1
71-23-8	propan-1-ol	1,6
108-10-1	4-methylpentan-2-one	1,9

**BCF**

CAS No	Chemical name	BCF	Species	Source
	xylene (mix)	> 5,5 - < 12,2	Oncorhynchus mykiss	Appl. Sci. Branch, E
71-36-3	butanol	3,16		QSAR (2017)
71-23-8	propan-1-ol	0,88		Unpublished calculat

**12.4. Mobility in soil**

There are no data available on the mixture itself.

**12.5. Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

**12.6. Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

**12.7. Other adverse effects**

Do not allow to enter into surface water or drains.

**Further information**

There are no data available on the mixture itself.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**Disposal recommendations**

Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.  
Send to a physico-chemical treatment facility under observation of official regulations.  
Do not empty into drains.



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**Contaminated packaging**

Handle contaminated packages in the same way as the substance itself.

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

**SECTION 14: Transport information**

**Land transport (ADR/RID)**

<b>14.1. UN number or ID number:</b>	UN 1993
<b>14.2. UN proper shipping name:</b>	FLAMMABLE LIQUID, N.O.S. (propan-1-ol, xylene)
<b>14.3. Transport hazard class(es):</b>	3
<b>14.4. Packing group:</b>	III
Hazard label:	3
Classification code:	F1
Special Provisions:	274 601
Limited quantity:	5 L
Excepted quantity:	E1
Transport category:	3
Hazard No:	30
Tunnel restriction code:	D/E

**Inland waterways transport (ADN)**

<b>14.1. UN number or ID number:</b>	UN 1993
<b>14.2. UN proper shipping name:</b>	FLAMMABLE LIQUID, N.O.S. (propan-1-ol, xylene)
<b>14.3. Transport hazard class(es):</b>	3
<b>14.4. Packing group:</b>	III
Hazard label:	3
Classification code:	F1
Special Provisions:	274 601
Limited quantity:	5 L
Excepted quantity:	E1

**Marine transport (IMDG)**

<b>14.1. UN number or ID number:</b>	UN 1993
<b>14.2. UN proper shipping name:</b>	FLAMMABLE LIQUID, N.O.S. (propan-1-ol, xylene)
<b>14.3. Transport hazard class(es):</b>	3
<b>14.4. Packing group:</b>	III
Hazard label:	3
Special Provisions:	223 274 955
Limited quantity:	5 L
Excepted quantity:	E1
EmS:	F-E, S-E

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

<b>14.1. UN number or ID number:</b>	UN 1993
<b>14.2. UN proper shipping name:</b>	FLAMMABLE LIQUID, N.O.S. (propan-1-ol, xylene)
<b>14.3. Transport hazard class(es):</b>	3
<b>14.4. Packing group:</b>	III
Hazard label:	3
Special Provisions:	A3
Limited quantity Passenger:	10 L
Passenger LQ:	Y344
Excepted quantity:	E1
IATA-packing instructions - Passenger:	355
IATA-max. quantity - Passenger:	60 L
IATA-packing instructions - Cargo:	366
IATA-max. quantity - Cargo:	220 L

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**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**SECTION 15: Regulatory information**

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

**EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 40, Entry 75

Information according to 2012/18/EU (SEVESO III): P5c FLAMMABLE LIQUIDS

**National regulatory information**

Water hazard class (D): 2 - obviously hazardous to water

**SECTION 16: Other information**

**Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]**

Classification	Classification procedure
Flam. Liq. 3; H226	On basis of test data
Asp. Tox. 1; H304	Calculation method
Skin Irrit. 2; H315	Calculation method
Eye Dam. 1; H318	Calculation method
Carc. 2; H351	Calculation method
STOT SE 3; H335	Calculation method
STOT SE 3; H336	Calculation method
STOT RE 2; H373	Calculation method
Aquatic Chronic 3; H412	Calculation method

**Relevant H and EUH statements (number and full text)**

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

**Further Information**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material. The information is based on the present level of our knowledge. It does not, however, give assurance of

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product properties and establishes no contract legal rights.

The receiver of our product is singularly responsible for adhering to existing laws and regulations.

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*