

Safety Data Sheet

according to UK REACH Regulation

Ölentferner flüssig

Revision date: 14.03.2022

Product code:

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

1.1. Product identifier

Ölentferner flüssig

UFI: PH30-X02J-G00T-XAN6

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

Use of the substance/mixture

Cleaner

Uses advised against

Any non-intended use.

1.3. Details of the supplier of the safety data sheet

Manufacturer

Company name: Schaich Chemie und Bautenschutz GmbH
Street: Ficht 8
Place: D-94107 Untergriesbach
Telephone: +49(0)8593 93 96 207 Telefax: +49(0)8593 93 96 206
e-mail: info@schaich-chemie.de
Internet: www.schaich-chemie.de
Responsible Department: +49 (0)8593 9396207 (8:00-16:00)

Supplier

Company name: Stein & Co. GmbH
Street: Wirtschaftspark Straße 3/9
Place: A-4482 Ennsdorf

1.4. Emergency telephone number: +49 (0)8593 9396207 (8:00-13:00)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GB CLP Regulation

Flam. Liq. 3; H226
Acute Tox. 4; H312
Acute Tox. 4; H332
Asp. Tox. 1; H304
Skin Irrit. 2; H315
Eye Irrit. 2; H319
STOT SE 3; H335
STOT RE 2; H373
Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

2.2. Label elements

GB CLP Regulation

Hazard components for labelling

xylene
ethylbenzene
2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve

Signal word: Danger

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Pictograms:**Hazard statements**

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H312+H332	Harmful in contact with skin or if inhaled.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H373	May cause damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.

Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331	Do NOT induce vomiting.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3. Other hazards

In use, may form flammable/explosive vapour-air mixture.
For information or further instructions, see also section 11 or 12.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Hazardous components**

CAS No	Chemical name	Quantity
	EC No Index No REACH No	
	Classification (GB CLP Regulation)	
1330-20-7	xylene Isomer mixture (with up to 24% ethylbenzene)	80 - < 85 %
	215-535-7 601-022-00-9 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, Aquatic Chronic 3; H226 H332 H312 H315 H319 H335 H373 H304 H412	
121617-08-1	Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., compds. with triethanolamine	5 - < 7 %
	939-464-2 01-2119971970-28	
	Skin Corr. 1C, Eye Dam. 1, Aquatic Chronic 3; H314 H318 H412	
111-76-2	2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve	3 - < 5 %
	203-905-0 603-014-00-0 01-2119475108-36	
	Acute Tox. 3, Acute Tox. 3, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2; H331 H311 H302 H315 H319	
123-86-4	n-butyl acetate	3 - < 5 %
	204-658-1 607-025-00-1 01-2119485493-29	
	Flam. Liq. 3, STOT SE 3; H226 H336 EUH066	
9002-92-0	Dodecan-1-ol, ethoxylated (>2.5 moles EO)	0.5 - < 1 %

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931-996-3			
Eye Dam. 1, Aquatic Acute 1, Aquatic Chronic 3; H318 H400 H412			

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			
1330-20-7	215-535-7	xylene Isomer mixture (with up to 24% ethylbenzene)	80 - < 85 %
		inhalation: LC50 = (6580) mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: LD50 = (12126) mg/kg; oral: LD50 = (3523) mg/kg	
121617-08-1	939-464-2	Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., compds. with triethanolamine	5 - < 7 %
		oral: LD50 = >2000 mg/kg Skin Corr. 1C; H314: >= 50 - 100 Eye Irrit. 2; H319: >= 1 - < 50	
111-76-2	203-905-0	2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve	3 - < 5 %
		inhalation: LC50 = 3 mg/l (vapours); inhalation: ATE = 0,5 mg/l (dusts or mists); dermal: LD50 = =< 2000 mg/kg; oral: ATE 1200 mg/kg	
123-86-4	204-658-1	n-butyl acetate	3 - < 5 %
		inhalation: LC50 = > 6,6 mg/l (vapours); dermal: LD50 = >5000 mg/kg; oral: LD50 = 14130 mg/kg	
9002-92-0	931-996-3	Dodecan-1-ol, ethoxylated (>2.5 moles EO)	0.5 - < 1 %
		dermal: LD50 = >2000 mg/kg; oral: LD50 = >2000 mg/kg	

Labelling for contents according to Regulation (EC) No 648/2004

>= 30 % aromatic hydrocarbons, perfumes, < 5 % non-ionic surfactants.

Further Information

Product does not contain listed SVHC substances > 0,1 % according to Regulation (EC) No. 1907/2006 Article 59 (REACH)

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Take off immediately all contaminated clothing.

After inhalation

Remove affected person from the danger area and lay down. Provide fresh air. In case of breathing difficulties administer oxygen. In case of irregular breathing or respiratory arrest provide artificial respiration. If experiencing respiratory symptoms: Call a doctor.

After contact with skin

Take off immediately all contaminated clothing. After contact with skin, wash immediately with: Water and soap. If skin irritation occurs: Get medical advice/attention.

After contact with eyes

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

After ingestion

Call a physician immediately. Do NOT induce vomiting. Observe risk of aspiration if vomiting occurs. Rinse mouth thoroughly with water. Let water be drunk in little sips (dilution effect). Observe risk of aspiration if vomiting occurs. Never give anything by mouth to an unconscious person or a person with cramps.

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

Observe risk of aspiration if vomiting occurs.
refer to section 2 and 11.

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

Treat symptomatically.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water spray, dry extinguishing powder, Carbon dioxide (CO₂), alcohol resistant foam
In case of major fire and large quantities: Water spray jet, alcohol resistant foam

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Can be released in case of fire: Gas/vapours, harmful. Carbon monoxide Carbon dioxide (CO₂), Nitrogen oxides (NO_x), Sulphur oxides

5.3. Advice for firefighters

In case of fire and/or explosion do not breathe fumes. In case of fire: Wear self-contained breathing apparatus.

Additional information

Use water spray jet to protect personnel and to cool endangered containers. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Remove persons to safety. Remove all sources of ignition. Ventilate affected area.
Do not breathe vapour/aerosol. Avoid contact with skin, eyes and clothes.
Wear personal protection equipment. (See section 8.)
Special danger of slipping by leaking/spilling product.

For non-emergency personnel

Wear personal protection equipment (refer to section 8).

For emergency responders

No special measures are necessary.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Discharge into the environment must be avoided. Prevent spread over a wide area (e.g. by containment or oil barriers). Cover drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up

For containment

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
Treat the recovered material as prescribed in the section on waste disposal.

For cleaning up

Clean contaminated objects and areas thoroughly observing environmental regulations.

Other information

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Ventilate affected area.
Treat the recovered material as prescribed in the section on waste disposal.
Clean contaminated objects and areas thoroughly observing environmental regulations.

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

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7.1. Precautions for safe handling**Advice on safe handling**

Provide adequate ventilation.
Wear suitable protective clothing. (See section 8.)

Advice on protection against fire and explosion

Keep away from sources of ignition. - No smoking. Take precautionary measures against static discharges.
Flammable vapours can accumulate in head space of closed systems. In use, may form flammable/explosive vapour-air mixture.

Advice on general occupational hygiene

The usual precautions for handling chemicals should be considered.
Always close containers tightly after the removal of product. Do not eat, drink or smoke when using this product. Wash hands before breaks and after work. Take off contaminated clothing and wash it before reuse.
Use protective skin cream before handling the product.

Further information on handling

Avoid contact with skin, eyes and clothes. Do not breathe vapour/aerosol.
General protection and hygiene measures: See section 8.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep container tightly closed in a cool, well-ventilated place.
Make sure spills can be contained (e.g. sump pallets or kerbed areas).
Ensure adequate ventilation of the storage area.

Hints on joint storage

Do not store together with: Gas. Explosives. Flammable solids. Pyrophoric liquids and solids. Self-heating substances and mixtures. Substances and mixtures which, in contact with water, emit flammable gases.
Oxidizing liquids. Oxidizing solids. ammonium nitrate. Self-reactive substances and mixtures. Organic peroxides. Non-combustible toxic substances. Radioactive substances. Infectious substances.

Further information on storage conditions

Protect against: UV-radiation/sunlight., Heat, Frost, Humidity

7.3. Specific end use(s)

See section 1.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
111-76-2	2-Butoxyethanol	25	123		TWA (8 h)	WEL
		50	246		STEL (15 min)	WEL
123-86-4	Butyl acetate	150	724		TWA (8 h)	WEL
		200	966		STEL (15 min)	WEL
1330-20-7	Xylene: mixed isomers	50	220		TWA (8 h)	WEL
		100	441		STEL (15 min)	WEL

Biological Monitoring Guidance Values (EH40)

CAS No	Substance	Parameter	Value	Test material	Sampling time
1330-20-7	Xylene, o-, m-, p- or mixed isomers	methyl hippuric acid (creatinine)	650 mmol/mol	urine	Post shift

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111-76-2	2-Butoxyethanol	butoxyacetic acid (creatinine)	240 mmol/mol	urine	Post shift
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DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
1330-20-7	xylene Isomer mixture (with up to 24% ethylbenzene)			
Worker DNEL, long-term		inhalation	systemic	221 mg/m ³
Worker DNEL, acute		inhalation	systemic	442 mg/m ³
Worker DNEL, long-term		inhalation	local	221 mg/m ³
Worker DNEL, acute		inhalation	local	442 mg/m ³
Worker DNEL, long-term		dermal	systemic	212 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	65,3 mg/m ³
Consumer DNEL, acute		inhalation	systemic	260 mg/m ³
Consumer DNEL, long-term		inhalation	local	65,3 mg/m ³
Consumer DNEL, acute		inhalation	local	260 mg/m ³
Consumer DNEL, long-term		dermal	systemic	125 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	12,5 mg/kg bw/day
121617-08-1	Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., compds. with triethanolamine			
Worker DNEL, long-term		inhalation	systemic	4,1 mg/m ³
Worker DNEL, long-term		dermal	systemic	5,29 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	1,01 mg/m ³
Consumer DNEL, long-term		dermal	systemic	1,2 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	0,58 mg/kg bw/day
111-76-2	2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve			
Worker DNEL, long-term		inhalation	systemic	98 mg/m ³
Worker DNEL, acute		inhalation	systemic	1091 mg/m ³
Worker DNEL, acute		inhalation	local	246 mg/m ³
Worker DNEL, long-term		dermal	systemic	125 mg/kg bw/day
Worker DNEL, acute		dermal	systemic	89 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	6,3 mg/kg bw/day
Consumer DNEL, acute		oral	systemic	26,7 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	59 mg/m ³
Consumer DNEL, acute		inhalation	systemic	426 mg/m ³
Consumer DNEL, acute		inhalation	local	147 mg/m ³
Consumer DNEL, long-term		dermal	systemic	75 mg/kg bw/day
Consumer DNEL, acute		dermal	systemic	89 mg/kg bw/day
123-86-4	n-butyl acetate			
Worker DNEL, long-term		dermal	systemic	11 mg/kg bw/day
Worker DNEL, acute		dermal	systemic	11 mg/kg bw/day
Consumer DNEL, long-term		dermal	systemic	6 mg/kg bw/day
Consumer DNEL, acute		dermal	systemic	6 mg/kg bw/day

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Consumer DNEL, long-term	oral	systemic	2 mg/kg bw/day
Consumer DNEL, acute	oral	systemic	2 mg/kg bw/day
Worker DNEL, acute	inhalation	local	600 mg/m ³
Worker DNEL, acute	inhalation	systemic	600 mg/m ³
Worker DNEL, long-term	inhalation	local	300 mg/m ³
Worker DNEL, long-term	inhalation	systemic	300 mg/m ³
Consumer DNEL, acute	inhalation	local	300 mg/m ³
Consumer DNEL, acute	inhalation	systemic	300 mg/m ³
Consumer DNEL, long-term	inhalation	local	35,7 mg/m ³
Consumer DNEL, long-term	inhalation	systemic	35,7 mg/m ³

PNEC values

CAS No	Substance	Value
Environmental compartment		Value
1330-20-7	xylene Isomer mixture (with up to 24% ethylbenzene)	
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
121617-08-1	Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., compds. with triethanolamine	
Freshwater		0,268 mg/l
Freshwater (intermittent releases)		0,268 mg/l
Marine water		0,0268 mg/l
Freshwater sediment		8,1 mg/kg
Marine sediment		8,1 mg/kg
Micro-organisms in sewage treatment plants (STP)		7 mg/l
Soil		35 mg/kg
111-76-2	2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve	
Freshwater		8,8 mg/l
Freshwater (intermittent releases)		9,1 mg/l
Marine water		0,88 mg/l
Freshwater sediment		34,6 mg/kg
Marine sediment		3,46 mg/kg
Secondary poisoning		0,02 mg/kg
Micro-organisms in sewage treatment plants (STP)		463 mg/l
Soil		2,33 mg/kg
123-86-4	n-butyl acetate	
Freshwater		0,18 mg/l
Freshwater (intermittent releases)		0,36 mg/l
Marine water		0,018 mg/l
Freshwater sediment		0,981 mg/kg

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Marine sediment	0,098 mg/kg
Micro-organisms in sewage treatment plants (STP)	35,6 mg/l
Soil	0,09 mg/kg

8.2. Exposure controls**Appropriate engineering controls**

Provide adequate ventilation as well as local exhaustion at critical locations.

Individual protection measures, such as personal protective equipment**Eye/face protection**

Suitable eye protection: Tightly sealed safety glasses. BS/EN 166

Hand protection

Wear suitable gloves. BS EN 374

Suitable material: FKM (fluoro rubber)

Thickness of the glove material: 0,5 mm

Breakthrough time (maximum wearing time): >480 min

Before using check leak tightness / impermeability.

In the case of wanting to use the gloves again, clean them before taking off and air them well.

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.

Skin protection

Wear fire/flame resistant/retardant clothing.

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500 (D).

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Respiratory protection necessary at:

Exceeding exposure limit values

Insufficient ventilation

Suitable respiratory protective equipment: gas filtering equipment (EN 141). Type A

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

Environmental exposure controls

This material and its container must be disposed of in a safe way.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state:	liquid
Colour:	transparent
Odour:	characteristic

Changes in the physical state

Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	137 °C
Pour point:	not determined
Flash point:	30 °C

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Explosive properties

In use, may form flammable/explosive vapour-air mixture.

Lower explosion limits:	1,1 vol. %
Upper explosion limits:	7 vol. %
Auto-ignition temperature:	500 °C
Decomposition temperature:	not determined
pH-Value (at 20 °C):	8,5
Viscosity / dynamic: (at 40 °C)	not determined
Viscosity / kinematic: (at 20 °C)	not determined
Water solubility: (at 20 °C)	insoluble

Solubility in other solvents

not determined

Vapour pressure: (at 20 °C)	6,7 hPa
Density (at 20 °C):	0,871 g/cm ³
Relative vapour density:	not determined

9.2. Other information**Information with regard to physical hazard classes**

Sustaining combustion:	Sustaining combustion
Oxidizing properties none.	

Other safety characteristics

Solvent separation test:	not determined
Solvent content:	not determined
Solid content:	not determined
Evaporation rate:	not determined

Further Information**SECTION 10: Stability and reactivity****10.1. Reactivity**

No information available.

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

No information available.

10.4. Conditions to avoid

In case of warming: Ignition hazard.
Protect against: UV-radiation/sunlight. heat. Moisture.
In use may form flammable/explosive vapour-air mixture.

10.5. Incompatible materials

Strong acid, Strong alkali, Oxidising agent, strong, Reducing agent, strong

10.6. Hazardous decomposition productsCan be released in case of fire: Gas/vapours, harmful. Carbon monoxide Carbon dioxide (CO₂), Nitrogen

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oxides (NOx), Sulphur oxides

SECTION 11: Toxicological information**11.1. Information on hazard classes as defined in GB CLP Regulation****Toxicokinetics, metabolism and distribution**

No information available.

Acute toxicity

Harmful in contact with skin.

Harmful if inhaled.

The product has not been tested.

ATEmix calculated

ATE (dermal) 1104,3 mg/kg; ATE (inhalation vapour) 10,22 mg/l; ATE (inhalation dust/mist) 1,373 mg/l

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
1330-20-7	xylene Isomer mixture (with up to 24% ethylbenzene)				
	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 (6580) mg/l	Rat	Study report (1986)	EPA OPP 81-3
	inhalation dust/mist	ATE 1,5 mg/l			
121617-08-1	Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., compds. with triethanolamine				
	oral	LD50 >2000 mg/kg	Rat	ECHA Dossier	
111-76-2	2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve				
	oral	ATE 1200 mg/kg			
	dermal	LD50 =< 2000 mg/kg	Rabbit/Guinea-pig.	ECHA Dossier/RAC	OECD Guideline 402
	inhalation (4 h) vapour	LC50 3 mg/l	Rat. (2.21 – 4.92 mg/L)	ECHA Dossier/RAC	OECD Guideline 403
	inhalation dust/mist	ATE 0,5 mg/l			
123-86-4	n-butyl acetate				
	oral	LD50 14130 mg/kg	Rat	ECHA Dossier	
	dermal	LD50 >5000 mg/kg	Rat.	ECHA Dossier	
	inhalation (4 h) vapour	LC50 > 6,6 mg/l	Rat	ECHA Dossier	OECD Guideline 403
9002-92-0	Dodecan-1-ol, ethoxylated (>2.5 moles EO)				
	oral	LD50 >2000 mg/kg	Rat	MSDS external	
	dermal	LD50 >2000 mg/kg	Rabbit	MSDS external	

Irritation and corrosivity

Causes skin irritation.

Causes serious eye irritation.

Sensitising effects

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

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Carcinogenic/mutagenic/toxic effects for reproduction

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

Xylene (CAS-No.: 1330-20-7):

Reproductive toxicity:

Exposure time: 21d

Species: Rat.

Method: EPA OPPTS 870.3800

Result: NOAEC = 500 ppm

Developmental toxicity/teratogenicity:

Exposure time: 21d

Species: Rat.

Method: EPA OPPTS 870.3800 (Reproduction and Fertility Effects)

Result: NOAEC = 500 ppm

Literature information: ECHA Dossier

ethylbenzene (CAS-No.: 100-41-4):

In vitro mutagenicity/genotoxicity: No experimental indications of mutagenicity in-vitro exist.

Reproductive toxicity:

Exposure time: 21d

Species: Rat.

Method: OECD Guideline 416

Result: NOAEL = 500 ppm

Developmental toxicity/teratogenicity:

Exposure time: 21d

Species: Rat.

Method: OECD Guideline 414

Result: NOAEL = 500 ppm

Literature information: ECHA Dossier

n-butyl acetate (CAS-No.: 123-86-4):

Subchronic inhalation toxicity:

Exposure time: 90d

Species: Rat.

Method: EPA OTS 798.2450

Result: NOAEC = 500 ppm

Literature information: ECHA Dossier

2-butoxyethanol, butyl cellosolve, ethylene glycol monobutyl ether (CAS-No.: 111-76-2):

In-vitro mutagenicity: No experimental indications of mutagenicity in-vitro exist.

Reproductive toxicity:

Exposure time: 14 weeks

Species: CD-1 Mouse.

Method: other guideline: National Toxicology Programme Continuous Breeding Protocol

Result: NOAEL = 720 mg/kg bw/day

Developmental toxicity/teratogenicity:

Exposure time: 29d

Species: New Zealand White Rabbit

Method: OECD Guideline 414 (Prenatal Developmental Toxicity Study)

Result: NOAEL = 50 ppm (maternal toxicity)

Result: NOAEL = 100 ppm (teratogenicity)

Literature information: ECHA Dossier

Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., compds. with triethanolamine (CAS-No.: 121617-08-1):

In vitro mutagenicity/genotoxicity: No experimental indications of mutagenicity in-vitro exist.

Literature information: ECHA Dossier

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Amides, C8-18 (even numbered) and C18-unsatd., N,N-bis(hydroxyethyl) (CAS-No.: 68155-07-7):

In vitro mutagenicity/genotoxicity: No experimental indications of mutagenicity in-vitro exist.

Literature information: ECHA Dossier

STOT-single exposure

May cause respiratory irritation. (xylene Isomer mixture (with up to 24% ethylbenzene))

STOT-repeated exposure

May cause damage to organs through prolonged or repeated exposure. (xylene Isomer mixture (with up to 24% ethylbenzene))

Xylene (CAS-No.: 1330-20-7):

Subchronic oral toxicity:

Exposure time: 2 years

Species: Rat.

Method: EU Method B.32

Result: NOAEL = 250 mg/kg/day

Literature information: ECHA Dossier

ethylbenzene (CAS-No.: 100-41-4):

Subacute oral toxicity:

Exposure time: 2/8d

Species: Rat.

Method: OECD Guideline 407

Result: NOAEL = 75 mg/kg/day

Subacute inhalation toxicity:

Exposure time: 28d

Species: Mouse

Method: OECD Guideline 412

Result: NOAEL = 400 ppm

Literature information: ECHA Dossier

n-butyl acetate (CAS-No.: 123-86-4):

Subchronic inhalation toxicity:

Exposure time: 90d

Species: Rat.

Method: EPA OTS 798.2450

Result: NOAEC = 500 ppm

Literature information: ECHA Dossier

2-butoxyethanol, butyl cellosolve, ethylene glycol monobutyl ether (CAS-No.: 111-76-2):

Chronic inhalative toxicity

Exposure time: 2 years

Species: Mouse.

Method: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)

Result: NOAEC < 62,5 ppm

Literature information: ECHA Dossier

Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., compds. with triethanolamine (CAS-No.: 121617-08-1):

Subchronic dermal toxicity :

Exposure time: 90d

Species: Rat.

Method: OECD Guideline 411

Result: NOAEL = 125 mg/kg(bw)

Literature information: ECHA Dossier

Amides, C8-18 (even numbered) and C18-unsatd., N,N-bis(hydroxyethyl) (CAS-No.: 68155-07-7):

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Subchronic dermal toxicity :
 Exposure time: 90d
 Species: Rat.
 Method: secondary source
 Result: NOAEL = 50 mg/kg(bw)
 Literature information: ECHA Dossier

Aspiration hazard

May be fatal if swallowed and enters airways.

Specific effects in experiment on an animal

No information available.

11.2. Information on other hazards

Endocrine disrupting properties

No data available.

Further information

Solvent:

Symptoms: Depression of the central nervous system. Liver and kidney damage. drowsiness. vomiting.

Nausea. Dizziness. unconsciousness. Impaired consciousness. Intoxication. erythema (redness)

SECTION 12: Ecological information

12.1. Toxicity

The product has not been tested.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
1330-20-7	xylene Isomer mixture (with up to 24% ethylbenzene)					
	Acute fish toxicity	LL50 (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	EL50 (> 3,4) mg/l	48 h	Ceriodaphnia dubia	Ecotoxicology and Environmental Safety 3	other: US EPA 600/4-91-003
	Fish toxicity	NOEC (> 1,3) mg/l	56 d	Oncorhynchus mykiss	Appl. Sci. Branch, Eng. Res. Cent. Denve	Fish were exposed in artificial streams
	Crustacea toxicity	NOEC (1,17) mg/l	7 d	Ceriodaphnia dubia	Ecotoxicology and Environmental Safety 3	other: US EPA 600/4-91-003
	Acute bacteria toxicity	(EC50 > 175 mg/l)	0,5 h	Activated sludge	Research Journal WPCF 60(10) 1850-1856 (OECD Guideline 209
121617-08-1	Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., compds. with triethanolamine					
	Acute fish toxicity	LC50 >1-10 mg/l	96 h	Danio rerio	MSDS external	
	Acute crustacea toxicity	EC50 >10-100 mg/l	48 h	Daphnia magna	MSDS external	
111-76-2	2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve					
	Acute fish toxicity	LC50 1474 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)	ECHA Dossier	OECD Guideline 203
	Acute algae toxicity	ErC50 911 mg/l	72 h	Pseudokirchnerella subcapitata	ECHA Dossier	OECD Guideline 201

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	Acute crustacea toxicity	EC50 mg/l	1800	48 h	Daphnia magna	ECHA Dossier	OECD Guideline 202
	Fish toxicity	NOEC mg/l	>100	21 d	Danio rerio	ECHA Dossier	OECD Guideline 204
	Algae toxicity	NOEC	88 mg/l	3 d	Pseudokirchneriella subcapitata	ECHA Dossier	
	Crustacea toxicity	NOEC	100 mg/l	21 d	Daphnia magna	ECHA Dossier	OECD Guideline 211
123-86-4	n-butyl acetate						
	Acute fish toxicity	LC50	18 mg/l	96 h	Pimephales promelas	ECHA Dossier	OECD Guideline 203
	Acute algae toxicity	ErC50	648 mg/l	72 h	Desmodesmus subspicatus	ECHA Dossier	
	Acute crustacea toxicity	EC50	44 mg/l	48 h	Daphnia sp.	ECHA Dossier	OECD Guideline 202
	Crustacea toxicity	NOEC mg/l	23,2	21 d	Daphnia magna	ECHA Dossier	OECD Guideline 211
9002-92-0	Dodecan-1-ol, ethoxylated (>2.5 moles EO)						
	Acute fish toxicity	LC50 mg/l	>0,1-1	96 h	Danio rerio	MSDS external	
	Acute crustacea toxicity	EC50 mg/l	>0,1-1	48 h	Daphnia magna	MSDS external	
	Acute bacteria toxicity	(EC50 mg/l)	140		Activated sludge	MSDS external	

12.2. Persistence and degradability

The product has not been tested.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
1330-20-7	xylene Isomer mixture (with up to 24% ethylbenzene)			
	OECD 301F / ISO 9408 / EEC 92/69 annex V, C.4-D	87,8%	28	OECD 301F / ISO 9408 / EEC 92/69 annex V, C.4-D
	Easily biodegradable (concerning to the criteria of the OECD)			
121617-08-1	Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., compds. with triethanolamine			
	OECD 301B/ ISO 9439/ EEC 92/69/V, C.4-C	99,5%	28	ECHA Dossier
	Readily biodegradable (according to OECD criteria).			
111-76-2	2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve			
	OECD 301B / ISO 9439 / EEC 92/69 annex V, C.4-C	90,4%	28	ECHA Dossier
	Easily biodegradable (concerning to the criteria of the OECD)			
123-86-4	n-butyl acetate			
	OECD 301D / EEC 92/69 annex V, C.4-E	83%	28	ECHA Dossier
	Easily biodegradable (concerning to the criteria of the OECD)			
9002-92-0	Dodecan-1-ol, ethoxylated (>2.5 moles EO)			
	OECD 301B/ ISO 9439/ EEC 92/69/V, C.4-C	>60%	28	MSDS external
	Readily biodegradable (according to OECD criteria).			

12.3. Bioaccumulative potential

The product has not been tested.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow

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1330-20-7	xylene Isomer mixture (with up to 24% ethylbenzene)	3,2
121617-08-1	Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., compds. with triethanolamine	1,5
111-76-2	2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve	0,81
123-86-4	n-butyl acetate	200

BCF

CAS No	Chemical name	BCF	Species	Source
1330-20-7	xylene Isomer mixture (with up to 24% ethylbenzene)	> 5,5 - < 12,2	Oncorhynchus mykiss	Appl. Sci. Branch, E

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

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

The aforementioned statement applies to substances contained in the product with a minimum content of 0.1 %.

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.

The aforementioned statement applies to substances contained in the product with a minimum content of 0.1 %.

12.7. Other adverse effects

No data available.

Further information

Do not allow to enter into surface water or drains.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations**

Dispose of waste according to applicable legislation. Consult the local waste disposal expert about waste disposal. Non-contaminated packages may be recycled. According to (EWC) European Waste Catalogue, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

Control report for waste code/ waste marking according to (EWC) European Waste Catalogue:

List of Wastes Code - residues/unused products

160305 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; off-specification batches and unused products; organic wastes containing hazardous substances; hazardous waste

List of Wastes Code - used product

160305 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; off-specification batches and unused products; organic wastes containing hazardous substances; hazardous waste

List of Wastes Code - contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

Contaminated packaging

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

SECTION 14: Transport information**Land transport (ADR/RID)****14.1. UN number or ID number:** UN 1993

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14.2. UN proper shipping name: FLAMMABLE LIQUID, N.O.S. (Xylene/ethyl benzene)
14.3. Transport hazard class(es): 3
14.4. Packing group: III
 Hazard label: 3



Classification code: F1
 Special Provisions: 274 601 640E
 Limited quantity: 5 L
 Excepted quantity: E1
 Transport category: 3
 Hazard No: 30
 Tunnel restriction code: D/E

Inland waterways transport (ADN)

14.1. UN number or ID number: UN 1993
14.2. UN proper shipping name: FLAMMABLE LIQUID, N.O.S. (Xylene/ethyl benzene)
14.3. Transport hazard class(es): 3
14.4. Packing group: III
 Hazard label: 3



Classification code: F1
 Special Provisions: 274 601 640E
 Limited quantity: 5 L
 Excepted quantity: E1

Marine transport (IMDG)

14.1. UN number or ID number: UN 1993
14.2. UN proper shipping name: FLAMMABLE LIQUID, N.O.S. (xylene/ethyl benzene)
14.3. Transport hazard class(es): 3
14.4. Packing group: III
 Hazard label: 3



Marine pollutant: NO
 Special Provisions: 223, 274, 955
 Limited quantity: 5 L
 Excepted quantity: E1
 EmS: F-E, S-E

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number: UN 1993
14.2. UN proper shipping name: FLAMMABLE LIQUID, N.O.S. (xylene/ethyl benzene)
14.3. Transport hazard class(es): 3
14.4. Packing group: III
 Hazard label: 3



Special Provisions: A3

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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

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

See section 8.

14.7. Maritime transport in bulk according to IMO instruments

not relevant.

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

2010/75/EU (VOC): No information available.

2004/42/EC (VOC): No information available.

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

Additional information

Safety Data Sheet according to UK-REACH Regulation

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

UK REACH Appendix XVII, No (mixture): 3, 40

National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

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

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information**Changes**

Rev. 1,0; Initial release: 09.10.2015

Rev. 2,0; Revision: 22.07.2019

Rev. 3,0; Revision: 14.03.2022

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

CAS: Chemical Abstracts Service

CLP: Classification, Labelling and Packaging of substances and mixtures

DNEL: Derived No Effect Level

d: day(s)

EINECS: European INventory of Existing Commercial chemical Substances

ELINCS: European Llist of Notified Chemical Substances

ECHA: European Chemicals Agency

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EWC: European Waste Catalogue
 IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
 ICAO: International Civil Aviation Organization
 ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
 GHS: Globally Harmonized System of Classification and Labelling of Chemicals
 GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)
 h: hour
 LOAEL: Lowest observed adverse effect level
 LOAEC: Lowest observed adverse effect concentration
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 NOAEL: No observed adverse effect level
 NOAEC: No observed adverse effect concentration
 NLP: No-Longer Polymers
 N/A: not applicable
 OECD: Organisation for Economic Co-operation and Development
 PNEC: predicted no effect concentration
 PBT: Persistent bioaccumulative toxic
 RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
 REACH: Registration, Evaluation, Authorisation of Chemicals
 SVHC: substance of very high concern
 TRGS: Technische Regeln für Gefahrstoffe
 UN: United Nations
 VOC: Volatile Organic Compounds

Classification for mixtures and used evaluation method according to GB CLP Regulation

Classification	Classification procedure
Flam. Liq. 3; H226	On basis of test data
Acute Tox. 4; H312	Calculation method
Acute Tox. 4; H332	Calculation method
Asp. Tox. 1; H304	Calculation method
Skin Irrit. 2; H315	Calculation method
Eye Irrit. 2; H319	Calculation method
STOT SE 3; H335	Calculation method
STOT RE 2; H373	Calculation method
Aquatic Chronic 3; H412	Calculation method

Relevant H and EUH statements (number and full text)

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H312+H332	Harmful in contact with skin or if inhaled.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.

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H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
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.
EUH066	Repeated exposure may cause skin dryness or cracking.

Further Information

Classification according to GHS [UK CLP] - Classification procedure:

Health hazards: Calculation method.

Environmental hazards: Calculation method.

Physical hazards: On basis of test data and / or calculated and / or estimated.

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