

Safety Data Sheet

according to Regulation (EC) No 1907/2006

C-Quartz UK

Revision date: 24.03.2025

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

1.1. Product identifier

C-Quartz UK

UFI: W610-E0C2-500X-ARAU

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

Use of the substance/mixture

Automotive care products

Uses advised against

Any non-intended use.

1.3. Details of the supplier of the safety data sheet

Company name: CarPro Global Limited.
Street: No. 10, Atocia Street
Place: M-2120 Hamrun. Malta
Telephone: +972 546 411 911
E-mail: safety@carpro.global
Internet: <https://carpro.global/>

Further Information

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (amended by Regulation (EU) No 2020/878)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Flam. Liq. 3; H226
STOT RE 2; H373
Asp. Tox. 1; H304
Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

2.2. Label elements

Regulation (EC) No 1272/2008

Hazard components for labelling

Naphtha (petroleum), light alkylate; Low boiling point modified naphtha
Stoddard solvent; Low boiling point naphtha - unspecified
toluene
xylene

Signal word: Danger

Pictograms:



Hazard statements

H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
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.

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P102	Keep out of reach of children.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331	Do NOT induce vomiting.
P405	Store locked up.
P501	Dispose of contents/container to local/regional/national/international regulations.

2.3. Other hazards

The substances in the mixture (>0,1%) do not meet the PBT/vPvB criteria according to REACH, annex XIII. This product does not contain a substance (> 0,1%) that has endocrine disrupting properties with respect to humans as no components meets the criteria. This product does not contain a substance (> 0,1 %) that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Relevant ingredients

CAS No	Chemical name	Quantity
	EC No	Index No
	REACH No	
	Classification (Regulation (EC) No 1272/2008)	
64741-66-8	Naphtha (petroleum), light alkylate; Low boiling point modified naphtha	7 - < 10 %
	265-068-8	649-276-00-X
	Asp. Tox. 1; H304	
8052-41-3	Stoddard solvent; Low boiling point naphtha - unspecified	3 - < 5 %
	232-489-3	649-345-00-4
	Flam. Liq. 3, Skin Irrit. 2, STOT RE 1, Asp. Tox. 1, Aquatic Chronic 2; H226 H315 H372 H304 H411	
546-68-9	Titanium tetraisopropanolate	1 - < 3 %
	208-909-6	01-2119967389-17
	Flam. Liq. 3, Eye Irrit. 2, STOT SE 3; H226 H319 H336	
108-88-3	toluene	1 - < 3 %
	203-625-9	601-021-00-3
	Flam. Liq. 2, Repr. 2, Skin Irrit. 2, STOT SE 3, STOT RE 2, Asp. Tox. 1, Aquatic Chronic 3; H225 H361d H315 H336 H373 H304 H412	
1330-20-7	xylene	1 - < 3 %
	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	
107-46-0	Hexamethyldisiloxane	1 - < 3 %
	203-492-7	
	Flam. Liq. 2, Aquatic Acute 1, Aquatic Chronic 2; H225 H400 H411	
108-88-3	toluene	0.5 - < 1 %
	203-625-9	601-021-00-3
	Flam. Liq. 2, Repr. 2, Skin Irrit. 2, STOT SE 3, STOT RE 2, Asp. Tox. 1; H225 H361d H315 H336 H373 H304	
67-56-1	methanol	0.5 - < 1 %
	200-659-6	603-001-00-X
	Flam. Liq. 2, Acute Tox. 3, Acute Tox. 3, Acute Tox. 3, STOT SE 1; H225 H331 H311 H301 H370	
100-41-4	ethylbenzene	0.3 - < 0.5 %
	202-849-4	601-023-00-4

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	Flam. Liq. 2, Acute Tox. 4, STOT RE 2, Asp. Tox. 1, Aquatic Chronic 3; H225 H332 H373 H304 H412	
1112-39-6	dimethoxydimethylsilane	0.1 - < 0.2 %
	214-189-4	
	Flam. Liq. 2, Repr. 2; H225 H361	

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	
546-68-9	208-909-6	Titanium tetraisopropanolate	1 - < 3 %
		dermal: LD50 = 12870 mg/kg; oral: LD50 = 7500 mg/kg	
108-88-3	203-625-9	toluene	1 - < 3 %
		inhalation: LC50 = 28,1 mg/l (vapours); dermal: LD50 = >5000 mg/kg; oral: LD50 = >5000 mg/kg	
1330-20-7	215-535-7	xylene	1 - < 3 %
		inhalation: LC50 = 27124 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: LD50 = (12126) mg/kg; oral: LD50 = 3523 mg/kg	
108-88-3	203-625-9	toluene	0.5 - < 1 %
		inhalation: LC50 = (28,1) mg/l (vapours); dermal: LD50 = >5000 mg/kg; oral: LD50 = >5000 mg/kg	
67-56-1	200-659-6	methanol	0.5 - < 1 %
		inhalation: ATE = 3 mg/l (vapours); inhalation: ATE = 0,5 mg/l (dusts or mists); dermal: ATE = 300 mg/kg; oral: ATE = 100 mg/kg STOT SE 1; H370: >= 10 - 100 STOT SE 2; H371: >= 3 - < 10	
100-41-4	202-849-4	ethylbenzene	0.3 - < 0.5 %
		inhalation: LC50 = 17,2 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: LD50 = >15000 mg/kg; oral: LD50 = 3500 mg/kg	

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

< 5 % aliphatic hydrocarbons, < 5 % aromatic hydrocarbons.

Further Information

Stoddard solvent; Low boiling point naphtha - unspecified (INDEX no.: 649-345-00-4); Naphtha (petroleum), light alkylate; Low boiling point modified naphtha (CAS: 64741-66-8):

Note P: The harmonised classification as a carcinogen or mutagen applies unless it can be shown that the substance contains less than 0,1 % w/w benzene (Einecs No 200-753-7).

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).

After inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of respiratory tract irritation, consult a physician.

After contact with skin

Gently wash with plenty of soap and water. In case of skin irritation, seek medical treatment.

After contact with eyes

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion

Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect). Do NOT induce vomiting.

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In all cases of doubt, or when symptoms persist, seek medical advice.

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

See sections 2 and 11

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO₂). Dry extinguishing powder. Alcohol resistant foam. Water spray

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated: Carbon monoxide. Carbon dioxide (CO₂).

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

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

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Safe handling: see section 7

For non-emergency personnel

Wear personal protection equipment (refer to section 8).

For emergency responders

No special measures are necessary.

6.2. Environmental precautions

Discharge into the environment must be avoided.

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.

6.4. Reference to other sections

Handling and storage: Refer to 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

Wear suitable protective clothing. See section 8.

Advice on protection against fire and explosion

Usual measures for fire prevention.

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Advice on general occupational hygiene

Always close containers tightly after the removal of product. When using do not eat, drink or smoke. Wash hands before breaks and after work.

Further information on handling

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.

Hints on joint storage

Do not store together with: Explosives. Oxidizing solids. Oxidizing liquids. Radioactive substances. Infectious substances. Food and animal feedingstuff.

Further information on storage conditions

Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

Recommended storage temperature: 20 °C

Protect against: frost. UV-radiation/sunlight. heat. Humidity

7.3. Specific end use(s)

See section 1.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Occupational exposure limit values**

CAS No	Name of agent	ppm	mg/m ³	fib/cm ³	Category	Origin
100-41-4	Ethylbenzene	100	442		TWA (8 h)	
		200	884		STEL (15 min)	
67-56-1	Methanol	200	260		TWA (8 h)	
108-88-3	Toluene	50	192		TWA (8 h)	
		100	384		STEL (15 min)	
1330-20-7	Xylene, mixed isomers, pure	50	221		TWA (8 h)	
		100	442		STEL (15 min)	

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DNEL/DMEL values

CAS No	Name of agent		
DNEL type	Exposure route	Effect	Value
546-68-9	Titanium tetraisopropanolate		
Worker DNEL, long-term	inhalation	systemic	500 mg/m ³
1330-20-7	xylene		
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	5 mg/kg bw/day

PNEC values

CAS No	Name of agent	
Environmental compartment	Value	
546-68-9	Titanium tetraisopropanolate	
Freshwater	0,59 mg/l	
Freshwater (intermittent releases)	5,9 mg/l	
Marine water	0,059 mg/l	
Freshwater sediment	0,482 mg/kg	
Marine sediment	0,048 mg/kg	
Micro-organisms in sewage treatment plants (STP)	105 mg/l	
Soil	0,112 mg/kg	
1330-20-7	xylene	
Freshwater	0,044 mg/l	
Freshwater (intermittent releases)	0,01 mg/l	
Marine water	0,004 mg/l	
Marine water (intermittent releases)	0,001 mg/l	
Freshwater sediment	2,52 mg/kg	
Marine sediment	0,252 mg/kg	
Micro-organisms in sewage treatment plants (STP)	1,6 mg/l	
Soil	0,852 mg/kg	

8.2. Exposure controls



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Appropriate engineering controls

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

Provide adequate ventilation.

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

Wear safety glasses; chemical goggles (if splashing is possible). EN ISO 16321-1:2022

Hand protection

Wear suitable gloves.

Suitable material:

FKM (fluororubber). - Thickness of glove material: 0,4 mm

Breakthrough time \geq 8 h

Butyl rubber. - Thickness of glove material: 0,5 mm

Breakthrough time \geq 8 h

CR (polychloroprenes, Chloroprene rubber). - Thickness of glove material: 0,5 mm

Breakthrough time \geq 8 h

NBR (Nitrile rubber). - Thickness of glove material: 0,35 mm

Breakthrough time \geq 8 h

PVC (Polyvinyl chloride). - Thickness of glove material: 0,5 mm

Breakthrough time \geq 8 h

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.

The selected protective gloves have to satisfy the specifications of EU Directive EC/ 2016/425 and the standard EN 374 derived from it.

Check leak tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well.

Skin protection

Suitable protective clothing: Lab apron.

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 and aerosol or mist formation

Suitable respiratory protection apparatus: particulates filter device (DIN EN 143). Type:: P1-3

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

Do not allow uncontrolled discharge of product into the environment.

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

Physical state:	liquid
Colour:	transparent
Odour:	Petroleum
Odour threshold:	not determined

	Test method
Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	110 °C N/A
Flammability:	not determined
Lower explosion limits:	not determined

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Upper explosion limits:	not determined
Flash point:	32 °C
Auto-ignition temperature:	not determined
Decomposition temperature:	not relevant
pH-Value:	not determined
Viscosity / kinematic:	not determined
Water solubility:	not determined
Solubility in other solvents	
not determined	
Dissolution rate:	not relevant
Partition coefficient n-octanol/water:	not relevant
Dispersion stability:	not relevant
Vapour pressure:	not determined
Density:	not determined
Bulk density:	not relevant
Relative vapour density:	not determined
Particle characteristics:	not relevant

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

Explosive properties	
none	
Sustained combustibility:	No data available
Self-ignition temperature	
Solid:	not relevant
Gas:	not determined
Oxidizing properties	
none	

Other safety characteristics

Evaporation rate:	not determined
Solvent separation test:	not determined
Solvent content:	not determined
Solid content:	not determined
Sublimation point:	not relevant
Softening point:	not relevant
Pour point:	not relevant
Viscosity / dynamic:	not determined
Flow time:	not determined

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 hazardous reaction when handled and stored according to provisions.
Refer to section 10.5.

10.4. Conditions to avoid

Protect against: UV-radiation/sunlight. heat.

10.5. Incompatible materials

Materials to avoid: Oxidizing agents, strong. Reducing agents, strong.

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10.6. Hazardous decomposition products

Does not decompose when used for intended uses.

SECTION 11: Toxicological information**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****Toxicokinetics, metabolism and distribution**

No data available.

Acute toxicity

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

ATEmix calculated

ATE (oral) > 5000 mg/kg; ATE (dermal) > 5000 mg/kg; ATE (inhalation vapour) > 50 mg/l; ATE (inhalation dust/mist) > 12,5 mg/l

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CAS No	Chemical name					
	Exposure route	Dose	Species	Source	Method	
546-68-9	Titanium tetraisopropanolate					
	oral	LD50 mg/kg	7500	Rat	REACH Dossier	
	dermal	LD50 mg/kg	12870	Rabbit	REACH Dossier	
108-88-3	toluene					
	oral	LD50 mg/kg	>5000	Rat	ECHA Dossier	
	dermal	LD50 mg/kg	>5000	Rabbit	ECHA Dossier	
	inhalation (4 h) vapour	LC50	28,1 mg/l	Rat	ECHA Dossier	
1330-20-7	xylene					
	oral	LD50 mg/kg	3523	Rat	REACH Dossier	EU Method B.1
	dermal	LD50 mg/kg	(12126)	Rabbit	REACH Dossier	
	inhalation (4 h) vapour	LC50 mg/l	27124	Rat	REACH Dossier	EPA OPP 81-3
	inhalation dust/mist	ATE	1,5 mg/l			
108-88-3	toluene					
	oral	LD50 mg/kg	>5000	Rat	ECHA Dossier	
	dermal	LD50 mg/kg	>5000	Rabbit	ECHA Dossier	
	inhalation (4 h) vapour	LC50 mg/l	(28,1)	Rat	ECHA Dossier	
67-56-1	methanol					
	oral	ATE mg/kg	100			
	dermal	ATE mg/kg	300			
	inhalation vapour	ATE	3 mg/l			
	inhalation dust/mist	ATE	0,5 mg/l			
100-41-4	ethylbenzene					
	oral	LD50 mg/kg	3500	Rat	REACH Dossier	
	dermal	LD50 mg/kg	>15000	Rabbit	REACH Dossier	
	inhalation (4 h) vapour	LC50	17,2 mg/l	Rat	REACH Dossier	
	inhalation dust/mist	ATE	1,5 mg/l			

Irritation and corrosivity

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

Sensitising effects

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

Carcinogenic/mutagenic/toxic effects for reproduction

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

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

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

toluene:

In-vitro mutagenicity: Method: OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test); Result: negative. Literature information: REACH Dossier; Carcinogenicity: Method: [inhalative, OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)]; Species: Rat ; Exposure duration: 2 years ; Result: NOAEC = 4522 mg/m³; Literature information: REACH Dossier; Reproductive toxicity: Method: OECD Guideline 416 (Two-Generation Reproduction Toxicity Study); Species: Rat ; Result: NOAEC = 1875 mg/m³; Literature information: REACH Dossier ; Developmental toxicity/teratogenicity: Method: [inhalative, EPA OTS 798.4350 (Inhalation Developmental Toxicity Screen)]; Species: Rabbit; Exposure duration: 20d ; Result: NOEC = 2812 mg/kg; Literature information: REACH Dossier

xylene:

In-vitro mutagenicity: Method: EU Method B.10 (Mutagenicity - In Vitro Mammalian Chromosome Aberration Test); Result: negative. Literature information: REACH Dossier; Developmental toxicity/teratogenicity : NOAEL >= 500ppm (OECD Guideline 414); Literature information: REACH Dossier; Carcinogenicity: Method: EU Method B.32 (Carcinogenicity Test); Species: Rat; Exposure duration: 24 months. Result: NOAEL = 500 mg/kg; Literature information: REACH Dossier; Reproductive toxicity: Method: (inhalation.): EPA OPPTS 870.3800 (Reproduction and Fertility Effects); Species: Rat ; Exposure duration: 14d.Results: NOAEC = 500 ppm. Literature information: REACH Dossier

methanol:

Germ cell mutagenicity: Method: OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test). Species: Mouse.; Result: negative. Literature information: REACH Dossier; Carcinogenicity: Method: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies). Length of test: 18 m. Species: Mouse.; Result: NOAEC = 1,3 mg/l; Literature information: REACH Dossier; Reproductive toxicity: Method: OECD Guideline 416 (Two-Generation Reproduction Toxicity Study). Species: Rat Result: NOAEC = 1,3 mg/l; Literature information: REACH Dossier; Developmental toxicity/teratogenicity: Method: OECD Guideline 414 (Prenatal Developmental Toxicity Study). Species: Rabbit. Result: NOAEL = 1000 mg/kg.

ethylbenzene:

In-vitro mutagenicity: Method: OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test); Result: negative. Literature information: REACH Dossier; Carcinogenicity: Method: (inhalation.): OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies, 6h/d);Species: Mouse. ; Exposure duration: 2 years ;Result: NOAEL = 250 ppm; Literature information: REACH Dossier; Reproductive toxicity: Method: (inhalation.): OECD Guideline 415 (One-Generation Reproduction Toxicity Study, 6h/d); Species: Rat; Exposure duration: 28d. Result: NOAEL = 500 ppm; Literature information: REACH Dossier; Developmental toxicity/teratogenicity: Method: (inhalation.): OECD Guideline 414 (Prenatal Developmental Toxicity Study); Species: Rat; Exposure duration: 20d. Result: NOAEL = 500 ppm; Literature information: REACH Dossier

STOT-single exposure

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

STOT-repeated exposure

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May cause damage to organs through prolonged or repeated exposure. (Stoddard solvent; Low boiling point naphtha - unspecified)

toluene:

Subchronic oral toxicity: Method: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents); Species: Mouse. ; Exposure duration: 90d; Result: NOEL = 625 mg/kg ; Literature information: REACH Dossier; Subchronic inhalation toxicity: Method: -; Species: Rat. Exposure duration: 1 year ; Result: NOAEC = 1131 mg/m³; Literature information: REACH Dossier

xylene:

Subchronic oral toxicity: Method: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents); Species: Rat ; Exposure duration: 90d. Result: NOAEL = 750 mg/kg (male.) = 150 mg/kg (female.); Literature information: REACH Dossier

methanol:

Chronic inhalative toxicity: Method: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies). Length of test: 12 m . Exposure time: 20 h/d. Species: Rat
Result: Result: NOAEC = 1,3 mg/l. Literature information: REACH Dossier

ethylbenzene:

Subchronic oral toxicity: Method: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents); Species: Rat; Exposure duration: 90d. Result: NOAEL = 75 mg/kg; Literature information: REACH Dossier;
Subacute inhalative toxicity: Method: OECD Guideline 412 (Repeated Dose Inhalation Toxicity: 28/14-Day, 6h/d); Species: Mouse.; Exposure duration: 28 d. Result: NOAEL = 800 ppm. Literature information: REACH Dossier

Aspiration hazard

May be fatal if swallowed and enters airways.

Specific effects in experiment on an animal

No data available.

11.2. Information on other hazards

Endocrine disrupting properties

This product does not contain a substance (> 0,1%) that has endocrine disrupting properties with respect to humans as no components meets the criteria.

Other information

No data available.

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
546-68-9	Titanium tetraisopropanolate					
	Acute fish toxicity	LC50 mg/l	10000	96 h	Pimephales promelas	REACH Dossier
	Acute algae toxicity	ErC50 mg/l	> 820	72 h	Desmodesmus subspicatus	REACH Dossier OECD 201
108-88-3	toluene					
	Acute fish toxicity	LC50 mg/l	(5,5)	96 h	Oncorhynchus kisutch	ECHA Dossier
	Acute algae toxicity	ErC50 mg/l	12,5	72 h	Pseudokirchneriella subcapitata	MSDS external
	Acute crustacea toxicity	EC50 mg/l	(3,78)	48 h	Ceriodaphnia dubia	ECHA Dossier
	Fish toxicity	NOEC	1,4 mg/l	40 d	other	MSDS external
	Crustacea toxicity	NOEC mg/l	0,74	7 d	Ceriodaphnia Dubia	MSDS external
	Acute bacteria toxicity	EC50 ()	134 mg/l	3 h	Chlorella vulgaris and Chlamydomonas angulosa	ECHA Dossier
1330-20-7	xylene					
	Acute fish toxicity	LL50 mg/l	4,667 - 5,921	96 h		REACH Dossier TLM QSAR
	Acute algae toxicity	ErC50 mg/l	EL50 4,831 - 6,129	72 h		REACH Dossier OECD Guideline 201
	Acute crustacea toxicity	EC50 mg/l	8,730 - 11,076	48 h		REACH Dossier TLM QSAR
	Fish toxicity	NOEC	NOELR: 0,894 - 1,134	21 d		REACH Dossier TLM QSAR
	Algae toxicity	NOEC	NOELR: 0,925 - 1,174	3 d		REACH Dossier TLM QSAR
	Crustacea toxicity	NOEC	NOELR: 1,672 - 2,122	7 d		REACH Dossier TLM QSAR
	Acute bacteria toxicity	EC50 mg/l	EL50: 71,286 - 90,449	0,5 h		REACH Dossier OECD Guideline 209
108-88-3	toluene					
	Acute fish toxicity	LC50 mg/l	(5,5)	96 h	Oncorhynchus kisutch	ECHA Dossier
	Acute algae toxicity	ErC50 mg/l	(12,5)	72 h		GESTIS
	Acute crustacea toxicity	EC50 mg/l	(3,78)	48 h	Ceriodaphnia dubia	ECHA Dossier
	Acute bacteria toxicity	EC50 ()	134 mg/l	3 h	Chlorella vulgaris and Chlamydomonas angulosa	ECHA Dossier
67-56-1	methanol					
	Acute fish toxicity	LC50 mg/l	15400	96 h	Lepomis macrochirus	ECHA Dossier
	Acute algae toxicity	ErC50 mg/l	22000	96 h	Pseudokirchneriella subcapitata	Ecotoxicology and Environmental Safety 7 OECD Guideline 201

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	Acute crustacea toxicity	EC50 mg/l	> 10000	48 h	Daphnia magna	Water Research 23(4): 495-499 (1989)	DIN 38412 Teil 11
100-41-4	ethylbenzene						
	Acute fish toxicity	LC50	5,1 mg/l	96 h	Menidia menidia	REACH Dossier	
	Acute algae toxicity	ErC50	3,6 mg/l	96 h	Pseudokirchnerella subcapitata	REACH Dossier	
	Acute crustacea toxicity	EC50 mg/l	1,8-2,8	48 h	Daphnia magna	REACH Dossier	
	Crustacea toxicity	NOEC mg/l	0,96	7 d	Ceriodaphnia dubia	REACH Dossier	

12.2. Persistence and degradability

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
108-88-3	toluene			
	OECD 301C/ ISO 9408/ EEC 92/69/V, C.4-F	100%	14	MSDS external
	Readily biodegradable (according to OECD criteria).			
1330-20-7	xylene			
	OECD 301F / ISO 9408 / EEC 92/69 annex V, C.4-D	>= 90 %	28	REACH Dossier
	Readily biodegradable (according to OECD criteria).			
67-56-1	methanol			
	other guideline	76%	20	ECHA Dossier
	Readily biodegradable (according to OECD criteria).			
100-41-4	ethylbenzene			
	ISO 14593-CO2-Headspace Test	79	28	REACH Dossier
	Readily biodegradable (according to OECD criteria).			

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
546-68-9	Titanium tetraisopropanolate	1,13
108-88-3	toluene	2,73
1330-20-7	xylene	3,12 - 3,2
108-88-3	toluene	2,73
67-56-1	methanol	-0,77
100-41-4	ethylbenzene	3,6

BCF

CAS No	Chemical name	BCF	Species	Source
108-88-3	toluene	13,2-90	Fish	MSDS external
1330-20-7	xylene	25,9		REACH Dossier
67-56-1	methanol	1	Cyprinus carpio	Comparative Biochemi

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 REACH, annex XIII.

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

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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

Observe in addition any national regulations! 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

200129 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents containing hazardous substances; hazardous waste

List of Wastes Code - used product

200129 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents 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

14.2. UN proper shipping name:

FLAMMABLE LIQUID, N.O.S. (Stoddard solvent; Low boiling point naphtha - unspecified, toluene)

14.3. Transport hazard class(es):

3

14.4. Packing group:

III

Hazard label:

3



Classification code:

F1

Special Provisions:

274 601

Limited quantity:

5 L

Excepted quantity:

E1

Transport category:

3

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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. (Stoddard solvent; Low boiling point naphtha - unspecified, toluene)
14.3. Transport hazard class(es): 3
14.4. Packing group: III
Hazard label: 3



Classification code: F1
Special Provisions: 274 601
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. (Stoddard solvent; Low boiling point naphtha - unspecified, toluene)
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. (Stoddard solvent; Low boiling point naphtha - unspecified, toluene)
14.3. Transport hazard class(es): 3
14.4. Packing group: 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

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

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14.6. Special precautions for user

refer to section 6 - 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, Entry 48, Entry 75

Directive 2010/75/EU on industrial emissions:	No information available.
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Directive 2004/42/EC on VOC in paints and varnishes:	No information available.
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Information according to Directive 2012/18/EU (SEVESO III):	P5c FLAMMABLE LIQUIDS
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Additional information

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (amended by Regulation (EU) No 2020/878)

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

REACH 1907/2006 Appendix XVII, No (mixture): 3, 40, 48, 69

National regulatory information

Employment restrictions:	Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).
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Water hazard class (D):	2 - obviously hazardous to water
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15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:

xylene

SECTION 16: Other information

Changes

Rev. 1,00, Initial release 25.04.2014

Rev. 1,01, 13.03.2015, Changes in section: 2, 3, 7, 8, 16.

Rev. 2,00; 28.12.2017, Changes in section: 1-16.

Rev. 3,00; 16.07.2019, Changes in section: 1-16.

Rev. 4,00; 13.04.2021, Changes in section: 1-16.

Rev. 4,1; 04.04.2023, Changes in section: 1 - 3, 6, 8 - 12, 15, 16

Rev. 5,0; 24.03.2025, Changes in section: 2 - 16

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Abbreviations and acronyms

Flam. Liq: Flammable liquid
Acute Tox: Acute toxicity
Asp. Tox: Aspiration hazard
Skin Irrit: Skin irritation
Eye Irrit: Eye irritation
Repr: Reproductive toxicity
STOT SE: Specific target organ toxicity - single exposure
STOT RE: Specific target organ toxicity - repeated exposure
Aquatic Acute: Acute aquatic hazard
Aquatic Chronic: Chronic aquatic hazard
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 List of Notified Chemical Substances
ECHA: European Chemicals Agency
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
WGK: Water Hazard Class (Germany)

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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
STOT RE 2; H373	Calculation method
Asp. Tox. 1; H304	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.
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.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H361	Suspected of damaging fertility or the unborn child.
H361d	Suspected of damaging the unborn child.
H370	Causes damage to organs.
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs (...) through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

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