Safety Data Sheet

according to Regulation (EC) No 1907/2006

Dlux 2.0

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

1.1. Product identifier

Dlux 2.0

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
Internet:	https://carpro.global/
Responsible Department:	safety@carpro.global

1.4. Emergency telephone number:

National Poisons Information Centre (NPIC): 01 809 2566

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
Skin Irrit. 2; H315
Eye Irrit. 2; H319
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
xylene
toluene

Signal word: Danger

Pictograms:



Hazard statements

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye 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.
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			
69430-37-1	Aminoalkoxydimethylpolysiloxane			7 - < 10 %
	628-867-6			
	Flam. Liq. 2, Skin Irrit. 2, Eye Irrit. 2; H225 H315 H319			
8052-41-3	Stoddard solvent; Low boiling point naphtha - unspecified			7 - < 10 %
	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			3 - < 5 %
	208-909-6		01-2119967389-17	
	Flam. Liq. 3, Eye Irrit. 2, STOT SE 3; H226 H319 H336			
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			
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; H225 H361d H315 H336 H373 H304			
94-96-2	2-ethylhexane-1,3-diol; octylene glycol; ethoexadiol			1 - < 3 %
	202-377-9	603-087-00-9		
	Eye Dam. 1; H318			
107-46-0	Hexamethyldisiloxane			1 - < 3 %
	203-492-7			
	Flam. Liq. 2, Aquatic Acute 1, Aquatic Chronic 2; H225 H400 H411			

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			
25551-13-7	Trimethylbenzene			0.5 - < 1 %
	247-099-9			
	Flam. Liq. 3, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, Asp. Tox. 1, Aquatic Chronic 2; H226 H332 H315 H319 H304 H411			
100-41-4	ethylbenzene			0.5 - < 1 %
	202-849-4	601-023-00-4		
	Flam. Liq. 2, Acute Tox. 4, STOT RE 2, Asp. Tox. 1, Aquatic Chronic 3; H225 H332 H373 H304 H412			
111-84-2	Nonane			0.1 - < 0.2 %
	203-913-4			
	Flam. Liq. 3, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 1; H226 H315 H336 H304 H410			
556-67-2	octamethylcyclotetrasiloxane			< 0.1 %
	209-136-7	014-018-00-1		
	Flam. Liq. 3, Repr. 2, Aquatic Chronic 1, PBT, vPvB; H226 H361f H410 EUH440 EUH441			

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		
69430-37-1	628-867-6	Aminoalkoxydimethylpolysiloxane	7 - < 10 %
	oral: LD50 = >5000 mg/kg		
546-68-9	208-909-6	Titanium tetraisopropanolate	3 - < 5 %
	dermal: LD50 = 12870 mg/kg; oral: LD50 = 7500 mg/kg		
1330-20-7	215-535-7	xylene	1 - < 3 %
	inhalation: LC50 = 6700 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: LD50 = 12126 mg/kg; oral: LD50 = 5627 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		
94-96-2	202-377-9	2-ethylhexane-1,3-diol; octylene glycol; ethoexadiol	1 - < 3 %
	oral: LD50 = >2000 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		
25551-13-7	247-099-9	Trimethylbenzene	0.5 - < 1 %
	inhalation: ATE = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists)		
100-41-4	202-849-4	ethylbenzene	0.5 - < 1 %
	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		
556-67-2	209-136-7	octamethylcyclotetrasiloxane	< 0.1 %
	dermal: LD50 = (> 2000) mg/kg; oral: LD50 = (> 4800) mg/kg Aquatic Chronic 1; H410: M=10		

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

5 % - < 15 % aliphatic hydrocarbons, 5 % - < 15 % 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. 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. Atomized water.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Can be released in case of fire: Carbon monoxide (CO). Carbon dioxide (CO2). Nitrogen oxides (NOx).

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.

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 absorbtion 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 limits

CAS No	Substance	ppm	mg/m³	fib/cm³	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)	
111-84-2	Nonane	200	1050		TWA (8 h)	
8052-41-3	Stoddard solvent	100	573		TWA (8 h)	
108-88-3	Toluene	50	192		TWA (8 h)	
		100	384		STEL (15 min)	

25551-13-7	Trimethylbenzene, mixed isomers	20	100		TWA (8 h)	
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
108-88-3	Toluene	Toluene	0.03 mg/L	Urine	End of shift
67-56-1	Methanol	Methanol	15 mg/L	Urine	End of shift
100-41-4	Ethyl benzene	Mandelic acid and phenylglyoxylic acid	0.7 g/g	Creatinine	End of shift at end of workweek

DNEL/DMEL values

CAS No	Substance			
DNEL type		Exposure route	Effect	Value
546-68-9	Titanium tetraisopropanolate			
Worker DNEL, long-term		inhalation	systemic	500 mg/m³
1330-20-7	xylene			
Worker DNEL, long-term		inhalation	systemic	221 mg/m³
Worker DNEL, acute		inhalation	systemic	442 mg/m³
Worker DNEL, long-term		inhalation	local	221 mg/m³
Worker DNEL, acute		inhalation	local	442 mg/m³
Worker DNEL, long-term		dermal	systemic	212 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	65,3 mg/m³
Consumer DNEL, acute		inhalation	systemic	260 mg/m³
Consumer DNEL, long-term		inhalation	local	65,3 mg/m³
Consumer DNEL, acute		inhalation	local	260 mg/m³
Consumer DNEL, long-term		dermal	systemic	125 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	2,5 mg/kg bw/day

PNEC values

CAS No	Substance	
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
Microorganisms 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
Microorganisms in sewage treatment plants (STP)		1,6 mg/l
Soil		0,852 mg/kg
556-67-2	octamethylcyclotetrasiloxane	
Soil		0,54 mg/kg

8.2. Exposure controls






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 >= 8 h
Butyl rubber. - Thickness of glove material: 0,5 mm
Breakthrough time >= 8 h
CR (polychloroprenes, Chloroprene rubber). - Thickness of glove material: 0,5 mm
Breakthrough time >= 8 h
NBR (Nitrile rubber). - Thickness of glove material: 0,35 mm
Breakthrough time >= 8 h
PVC (Polyvinyl chloride). - Thickness of glove material: 0,5 mm
Breakthrough time >= 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 protective equipment: 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:	97 °C	N/A
Flammability:	not determined	
Lower explosion limits:	not determined	
Upper explosion limits:	not determined	
Flash point:	45 °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

Vapours can form explosive mixtures with air.

Sustained combustibility:	No sustained combustibility
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

Vapours can form explosive mixtures with air.

10.4. Conditions to avoid

Protect against: UV-radiation/sunlight. heat.

10.5. Incompatible materials

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

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

Toxicocinetics, 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

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
69430-37-1	Aminoalkoxydimethylpolysiloxane				
	oral	LD50 >5000 mg/kg	Rat.	read across	
546-68-9	Titanium tetraisopropanolate				
	oral	LD50 7500 mg/kg	Rat	ECHA Dossier	
	dermal	LD50 12870 mg/kg	Rabbit	ECHA Dossier	
1330-20-7	xylene				
	oral	LD50 5627 mg/kg	Mouse	REACh Registration Dossier	EU Method B.1
	dermal	LD50 12126 mg/kg	Rabbit	REACh Registration Dossier	[Empty]
	inhalation (4 h) vapour	LC50 6700 mg/l	Rat	REACh Registration Dossier	EU Method B.2
	inhalation dust/mist	ATE 1,5 mg/l			
108-88-3	toluene				
	oral	LD50 >5000 mg/kg	Rat	ECHA Dossier	
	dermal	LD50 >5000 mg/kg	Rabbit	ECHA Dossier	
	inhalation (4 h) vapour	LC50 (28,1) mg/l	Rat	ECHA Dossier	
94-96-2	2-ethylhexane-1,3-diol; octylene glycol; ethoexadiol				
	oral	LD50 >2000 mg/kg	Rat	ECHA Dossier	
67-56-1	methanol				
	oral	ATE 100 mg/kg			
	dermal	ATE 300 mg/kg			
	inhalation vapour	ATE 3 mg/l			
	inhalation dust/mist	ATE 0,5 mg/l			
25551-13-7	Trimethylbenzene				
	inhalation vapour	ATE 11 mg/l			
	inhalation dust/mist	ATE 1,5 mg/l			
100-41-4	ethylbenzene				
	oral	LD50 3500 mg/kg	Rat.	ECHA Dossier	
	dermal	LD50 >15000 mg/kg	Rabbit	ECHA Dossier	
	inhalation (4 h) vapour	LC50 17,2 mg/l	Rat.	ECHA Dossier	
	inhalation dust/mist	ATE 1,5 mg/l			
556-67-2	octamethylcyclotetrasiloxane				
	oral	LD50 (> 4800) mg/kg	Rat	ECHA Dossier	OECD Guideline 401
	dermal	LD50 (> 2000) mg/kg	Rat	ECHA Dossier	OECD Guideline 402

Irritation and corrosivity

Skin corrosion/irritation: Causes skin irritation.
Serious eye damage/eye irritation: Causes serious eye irritation.

Sensitising effects

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

Carcinogenic/mutagenic/toxic effects for reproduction

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

toluene:
In-vitro mutagenicity: Method: OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test); Result: negative. Literature information: ECHA 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: ECHA Dossier; Reproductive toxicity: Method: OECD Guideline 416 (Two-Generation Reproduction Toxicity Study); Species: Rat ; Result: NOAEC = 1875 mg/m3; Literature information: ECHA 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: ECHA Dossier

methanol:
Germ cell mutagenicity: Method: OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test). Species: Mouse.; Result: negative. Literature information: ECHA 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: ECHA Dossier; Reproductive toxicity: Method: OECD Guideline 416 (Two-Generation Reproduction Toxicity Study). Species: Rat. Result: NOAEC = 1,3 mg/l; Literature information: ECHA Dossier; Developmental toxicity/teratogenicity: Method: OECD Guideline 414 (Prenatal Developmental Toxicity Study). Species: Rabbit. Result: NOAEL = 1000 mg/kg; Literature information: ECHA Dossier

octamethylcyclotetrasiloxane:
Reproductive toxicity:
Method: OECD Guideline 416 (Two-Generation Reproduction Toxicity Study)
Species: Rat
Results: NOAEL = 300 ppm.
Literature information: ECHA Dossier
Developmental toxicity/teratogenicity:
Method: OECD Guideline 414 (Prenatal Developmental Toxicity Study)
Species: Rat
Results: NOAEL >= 500 ppm (Inhalation)
Literature information: ECHA Dossier

STOT-single exposure

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

STOT-repeated exposure

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

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: ECHA Dossier

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: ECHA Dossier; Subchronic inhalation toxicity: Method: -; Species: Rat. Exposure duration: 1 year ;Result: NOAEC = 1131 mg/m3; Literature information: ECHA 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: ECHA Dossier

octamethylcyclotetrasiloxane:
Chronic inhalative toxicity:
Method: other guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)
Exposure time: 2 years
Species: Rat
Results: NOAEC = 150 ppm.
Literature information: ECHA Dossier
Subacute dermal toxicity:
Method: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)
Species: Rabbit
Results: NOAEL >1000 mg/kg
Literature information: ECHA 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
Based on available data, the classification criteria are not met.
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.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] | [d]	Species	Source	Method
546-68-9	Titanium tetraisopropanolate					
	Acute fish toxicity	LC50 10000 mg/l	96 h	Pimephales promelas	ECHA Dossier	
	Acute algae toxicity	ErC50 > 820 mg/l	72 h	Desmodesmus subspicatus	ECHA Dossier	OECD 201
1330-20-7	xylene					

	Acute fish toxicity	LC50	7,6 mg/l	96 h	Oncorhynchus mykiss (previous name: Salmo gairdner	REACh Registration Dossier	OECD Guideline 203
	Acute algae toxicity	ErC50	5,744 mg/l	72 h	Raphidocelis subcapitata (previous names: Pseudoki	REACh Registration Dossier	[Empty]
	Acute crustacea toxicity	EC50	10,389 mg/l	48 h	Daphnia magna	REACh Registration Dossier	[Empty]
	Fish toxicity	NOEC	1,063 mg/l	21 d	Oncorhynchus mykiss (previous name: Salmo gairdner	REACh Registration Dossier	[Empty]
	Crustacea toxicity	NOEC	1,989 mg/l	21 d	Daphnia magna	REACh Registration Dossier	[Empty]
	Acute bacteria toxicity	EC50	> 175 mg/l ( )	0,5 h	Activated sludge	REACh Registration Dossier	OECD Guideline 209
108-88-3	toluene						
	Acute fish toxicity	LC50	(5,5) mg/l	96 h	Oncorhynchus kisutch	ECHA Dossier	
	Acute algae toxicity	ErC50	(12,5) mg/l	72 h	Selenastrum capricornutum	GESTIS	
	Acute crustacea toxicity	EC50	(3,78) mg/l	48 h	Ceriodaphnia dubia	ECHA Dossier	
	Acute bacteria toxicity	EC50	134 mg/l ( )	3 h	Chlorella vulgaris and Chlamydomonas angulosa	ECHA Dossier	
94-96-2	2-ethylhexane-1,3-diol; octylene glycol; ethoexadiol						
	Acute crustacea toxicity	EC50	>100 mg/l	48 h	Daphnia magna	ECHA Dossier	
67-56-1	methanol						
	Acute fish toxicity	LC50	15400 mg/l	96 h	Lepomis macrochirus	ECHA Dossier	
	Acute algae toxicity	ErC50	22000 mg/l	96 h	Pseudokirchneriella subcapitata	Ecotoxicology and Environmental Safety 7	OECD Guideline 201
	Acute crustacea toxicity	EC50	> 10000 mg/l	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	ECHA Dossier	
	Acute algae toxicity	ErC50	3,6 mg/l	96 h	Pseudokirchnerella subcapitata	ECHA Dossier	
	Acute crustacea toxicity	EC50	1,8-2,8 mg/l	48 h	Daphnia magna	ECHA Dossier	
	Crustacea toxicity	NOEC	0,96 mg/l	7 d	Ceriodaphnia dubia	ECHA Dossier	
111-84-2	Nonane						
	Acute crustacea toxicity	EC50	0,2 mg/l	48 h	Daphnia magna	ECHA dossier	
556-67-2	octamethylcyclotetrasiloxane						
	Acute algae toxicity	ErC50	(> 0,022) mg/l	96 h	Pseudokirchneriella subcapitata	Study report (1990)	EPA OTS 797.1050

	Acute crustacea toxicity	EC50 (> 0,015) mg/l	48 h	Daphnia magna	Env. Toxicol. & Chemistry 14, 1639-1647	EPA OTS 797.1300
	Fish toxicity	NOEC (>= 0,0044) mg/l	93 d	Oncorhynchus mykiss	Env. Toxicol. & Chemistry 14, 1639-1647	other: 40 CFR 797.1600
	Crustacea toxicity	NOEC (>= 0,015) mg/l	21 d	Daphnia magna	Env. Toxicol. & Chemistry |14, 1639-1647	EPA OTS 797.1330

12.2. Persistence and degradability

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
1330-20-7	xylene			
	OECD 301F / ISO 9408 / EEC 92/69 annex V, C.4-D	>= 90 %	28	ECHA Dossier
	Easily biodegradable (concerning to the criteria of the OECD)			
94-96-2	2-ethylhexane-1,3-diol; octylene glycol; ethoexadiol			
	OECD 301E/ EEC 92/69/V, C.4-B	>70	28	ECHA Dossier
	Readily biodegradable (according to OECD criteria).			
67-56-1	methanol			
	other guideline	76%	20	ECHA Dossier
	Easily biodegradable (concerning to the criteria of the OECD)			
100-41-4	ethylbenzene			
	ISO 14593-CO2-Headspace Test	79	28	ECHA Dossier
	Easily biodegradable (concerning to the criteria of the OECD)			

12.3. Bioaccumulative potential

The product has not been tested.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
546-68-9	Titanium tetraisopropanolate	1,13
1330-20-7	xylene	3,12
108-88-3	toluene	2,73
67-56-1	methanol	-0,77
100-41-4	ethylbenzene	3,6
111-84-2	Nonane	5,65
556-67-2	octamethylcyclotetrasiloxane	6,488

BCF

CAS No	Chemical name	BCF	Species	Source
1330-20-7	xylene	56,49		REACh Registration D
67-56-1	methanol	1	Cyprinus carpio	Comparative Biochemi
556-67-2	octamethylcyclotetrasiloxane	12400	Pimephales promelas	ECHA Dossier

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

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

The substances in the mixture (> 0.1%) do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Endocrine disrupting properties

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

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

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other hazardous substances; hazardous waste

List of Wastes Code - used product

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other 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

Contaminated packages must be completely emptied and can be re-used following proper cleaning.

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

14.1. UN number or ID number:	UN 1993
14.2. UN proper shipping name:	FLAMMABLE LIQUID, N.O.S. (Aminoalkoxydimethylpolysiloxane, Stoddard solvent; Low boiling point naphtha - unspecified)
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

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

Authorisations (REACH, annex XIV):

Substances of very high concern, SVHC (REACH, article 59):
octamethylcyclotetrasiloxane

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 40, Entry 48, Entry 69, Entry 75

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

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, 75
Regulation (EU) 2019/1021 (on persistent organic pollutants) This mixture contains the following substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH: octamethylcyclotetrasiloxane (CAS 556-67-2). Product does not contain listed SVHC substances > 0.1 % according to Regulation (EC) No. 1907/2006 Article 59 (REACH).

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):	3 - highly hazardous to water

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. 1,0: Initial release 06.07.2026
Rev. 2,00; 30.10.2026, @00000810140 1, 2, 3, 12, 13, 14, 15, 16

Abbreviations and acronyms

Flam. Liq. 2: Flammable liquids, hazard category 2
Flam. Liq. 3: Flammable liquids, hazard category 3
Acute Tox. 3: Acute toxicity, hazard category 3
Acute Tox. 4: Acute toxicity, hazard category 4
Asp. Tox. 1: Aspiration hazard, hazard category 1
Skin Irrit. 2: Skin irritation, hazard category 2
Eye Dam. 1: Serious eye damage, hazard category 1
Eye Irrit. 2: Eye irritation, hazard category 2
Repr. 2: Reproductive toxicity, hazard category 2
STOT SE 1: Specific target organ toxicity - single exposure, hazard category 1

STOT SE 2: Specific target organ toxicity - single exposure, hazard category 2
STOT SE 3: Specific target organ toxicity - single exposure, hazard category 3
STOT RE 1: Specific target organ toxicity - repeated exposure, hazard category 1
STOT RE 2: Specific target organ toxicity - repeated exposure, hazard category 2
Aquatic Acute 1: Hazardous to the aquatic environment, hazard category: Acute 1
Aquatic Chronic 1: Hazardous to the aquatic environment, long-term hazard category: Chronic 1
Aquatic Chronic 2: Hazardous to the aquatic environment, long-term hazard category: Chronic 2
Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard category: Chronic 3
PBT: Persistent, Bioaccumulative and Toxic properties
vPvB: Very Persistent, Very Bioaccumulative properties
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)

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
Skin Irrit. 2; H315	Calculation method
Eye Irrit. 2; H319	Calculation method
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.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H361d	Suspected of damaging the unborn child.
H361f	Suspected of damaging fertility.
H370	Causes damage to organs.
H371	May cause 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.
H410	Very toxic to aquatic life with long lasting effects.
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.)