

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **9004 Clear Finish**

Creation date: **28.11.2023**, Revision: **26.03.2025**, Version: **4.0**

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

1.1 Product identifier

Product name

9004 Clear Finish

UFI:

PF61-ACSD-0009-A26X



<https://my.chemius.net/p/CQ5NHm/en/pd/en>

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

Relevant identified uses

Clearcoat Paint.

Uses advised against

No information.

1.3 Details of the supplier of the safety data sheet

Manufacturer

SILCO d.o.o.
Sentrupert 5a
3303 Gomilsko, Slovenia
+386 3 703 3180
msds@silco.si

1.4 Emergency Telephone Number

Emergency

111

Manufacturer

112

Section 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

Aerosol 1; H222 Extremely flammable aerosol.
Aerosol 1; H229 Pressurised container: May burst if heated.
Asp. Tox. 1; H304 May be fatal if swallowed and enters airways.
Skin Irrit. 2; H315 Causes skin irritation.
Eye Irrit. 2; H319 Causes serious eye irritation.
STOT SE 3; H336 May cause drowsiness or dizziness.

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Aquatic Chronic 3; H412 Harmful to aquatic life with long lasting effects.

2.2 Label elements

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



Signal word: DANGER

H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H412 Harmful to aquatic life with long lasting effects.

P102 Keep out of reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P273 Avoid release to the environment.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

P501 Dispose of contents/container in accordance with national regulation.

Contains:

acetone

n-butyl acetate

hydrocarbons, C9, aromatics

reaction mass of ethylbenzene, m-xylene and p-xylene

2.3 Other hazards

PBT/vPvB

No information.

Endocrine disrupting properties

The product does not contain substances with the potential for endocrine disorders.

Additional information

No information.

Section 3: Composition/information on ingredients

3.1 Substances

For mixtures see 3.2.

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3.2 Mixtures

Name	CAS EC Index REACH	%	Classification according to Regulation (EC) No 1272/2008 (CLP)	Specific Concentration Limits
aceto ne	67-64-1 200-662-2 606-001-00-8 01-2119471330-49	30-35	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336 EUH066	/
isobu tane	75-28-5 200-857-2 601-004-00-0 01-2119485395-27	20-25	Flam. Gas 1; H220 Press. Gas; H280	/
n- butyl aceta te	123-86-4 204-658-1 607-025-00-1 01-2119485493-29	15-20	Flam. Liq. 3; H226 STOT SE 3; H336 EUH066	/
propa ne	74-98-6 200-827-9 601-003-00-5 01-2119486944-21	5-10	Flam. Gas 1; H220 Press. Gas; H280	/
hydro carbo ns, C9, arom atics	- 918-668-5 - 01-2119455851-35	5-10	Flam. Liq. 3; H226 Asp. Tox. 1; H304 STOT SE 3; H335 STOT SE 3; H336 Aquatic Chronic 2; H411 EUH066	/
arom atic hydro carbo ns, C8	- 905-570-2 - 01-2119486136-34	2.5-5	Flam. Liq. 3; H226 Asp. Tox. 1; H304 Acute Tox. 4; H312 Skin Irrit. 2; H315 Acute Tox. 4; H332	/
xylene	1330-20-7 215-535-7 601-022-00-9 01-2119488216-32	2.5-5	Flam. Liq. 3; H226 Asp. Tox. 1; H304 Acute Tox. 4; H312 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Acute Tox. 4; H332 STOT SE 3; H335 STOT RE 2; H373 Aquatic Chronic 3; H412	/

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Name	CAS EC Index REACH	%	Classification according to Regulation (EC) No 1272/2008 (CLP)	Specific Concentration Limits
reaction mass of ethyl benzene, m-xylene and p-xylene	- 905-562-9 - 01-2119555267-33	2.5-5	Flam. Liq. 3; H226 Asp. Tox. 1; H304 Acute Tox. 4; H312 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Acute Tox. 4; H332 STOT SE 3; H335 STOT RE 2; H373	/
xylene	1330-20-7 215-535-7 601-022-00-9 01-2119488216-32	2.5-5	Flam. Liq. 3; H226 Acute Tox. 4; H312 Skin Irrit. 2; H315 Acute Tox. 4; H332	/
ethyl benzene	100-41-4 202-849-4 601-023-00-4	1-2.5	Flam. Liq. 2; H225 Asp. Tox. 1; H304 Acute Tox. 4; H332 STOT RE 2; H373 (hearing organs)	/

Notes for substances

C Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers.

In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.

S This substance may not require a label according to Article 17 (see Section 1.3 of Annex I) (Table 3).

U When put on the market gases have to be classified as 'Gases under pressure', in one of the groups compressed gas, liquefied gas, refrigerated liquefied gas or dissolved gas. The group depends on the physical state in which the gas is packaged and therefore has to be assigned case by case. The following codes are assigned:
Press. Gas (Comp.)
Press. Gas (Liq.)
Press. Gas (Ref. Liq.)
Press. Gas (Diss.)
Aerosols shall not be classified as gases under pressure (See Annex I, Part 2, Section 2.3.2.1, Note 2).

Section 4: First aid measures

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4.1 Description of first aid measures

General notes

Never give anything by mouth to an unconscious person. Place patient in recovery position and ensure airway patency. When in doubt or if feeling unwell seek medical assistance. Show the safety data sheet and label to the physician.

Following inhalation

Remove patient to fresh air – move out of dangerous area. In case of unconsciousness bring patient into stable side position and seek medical attention. If breathing is irregular or respiratory arrest occurs provide artificial respiration. Keep at rest in a position comfortable for breathing. Seek medical help immediately.

Following skin contact

Take off all contaminated clothing. Areas of the body that have come into contact with the product must be rinsed with water. Consult a physician.

Following eye contact

Immediately flush eyes with running water, keeping eyelids apart. If irritation persists, seek professional medical attention.

Following ingestion

No information.

4.2 Most important symptoms and effects, both acute and delayed

Following inhalation

Vapours may cause drowsiness and dizziness.

Following skin contact

Itching, redness, pain.

Following eye contact

Redness, tearing, pain.

Following ingestion

No information.

4.3 Indication of any immediate medical attention and special treatment needed

No information.

Section 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Carbon dioxide. Dry chemical powder. Water spray. Alcohol resistant foam.

Unsuitable extinguishing media

Full water jet.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

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5.3 Advice for firefighters

Protective actions

Cool containers at risk with water spray. If possible remove containers from endangered area.

Special protective equipment for fire-fighters

Firefighters should wear appropriate protective clothing for firefighters (including helmets, protective boots and gloves) (BS EN 469) and self-contained breathing apparatus (SCBA) with a full face-piece (BS EN 137).

Additional information

No information.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Protective equipment

No information.

Precautionary measures

Ensure adequate ventilation. Keep away from sources of ignition and/or heat; No smoking!

Emergency procedures

No information.

For emergency responders

No information.

6.2 Environmental precautions

In case of release into the environment, inform the relevant authorities.

6.3 Methods and material for containment and cleaning up

For containment

No information.

For cleaning up

Collect the spray cans and hand them over to an authorized waste disposal contractor.

Other information

No information.

6.4 Reference to other sections

See also sections 8 and 13.

Section 7: Handling and storage

7.1 Precautions for safe handling

Protective measures

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Measures to prevent fire

Ensure adequate ventilation. Keep away from sources of ignition - no smoking. Use spark-proof tools. Take precautionary measures against static discharges.

Measures to prevent aerosol and dust generation

No information.

Measures to protect the environment

No information.

Other measures

No information.

Advice on general occupational hygiene

Use good personal hygiene practices – wash hands at breaks and when done working with material. Do not eat, drink or smoke while working. Do not breathe vapours/mist.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Protect from open fire, heat and direct sunlight. Keep away from food, drink and animal feeding stuffs.

Packaging materials

No information.

Requirements for storage rooms and vessels

No information.

Storage temperature

No information.

Storage class

No information.

Further information on storage conditions

No information.

7.3 Specific end use(s)

Recommendations

No information.

Industrial sector specific solutions

No information.

Section 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure limit values

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Name	mg/m ³	ml/m ³	Short-term value mg/m ³	Short-term value ml/m ³	Remark	Biological Tolerance Values
Ethylbenzene (100-41-4)	441	100	552	125	Sk	/
Xylene, o-,m-,p- or mixed isomers (1330-20-7)	220	50	441	100	Sk, BMGV	650 mmol methyl hippuric acid/mol creatinine in urine - Post shift
Acetone (67-64-1)	1210	500	3620	1500	/	/
Butyl acetate (123-86-4)	724	150	966	200	/	/

Information on monitoring procedures

BS EN 14042:2003 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents. BS EN 689:2018 Workplace exposure. Measurement of exposure by inhalation to chemical agents. Strategy for testing compliance with occupational exposure limit values. BS EN 482:2021 Workplace exposure. Procedures for the determination of the concentration of chemical agents. Basic performance requirements.

DNEL/DMEL values

For product

No information.

For components

Name	Type	Exposure route	exp. frequency	Remark	Value
acetone	Worker	inhalation	long term systemic effects	/	1210 mg/m ³
acetone	Worker	inhalation	short term local effects	/	2420 mg/m ³
acetone	Worker	dermal	long term systemic effects	/	186 mg/kg bw/day
acetone	Consumer	inhalation	long term systemic effects	/	200 mg/m ³

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Name	Type	Exposure route	exp. frequency	Remark	Value
acetone	Consumer	dermal	long term systemic effects	/	62 mg/kg bw/day
acetone	Consumer	oral	long term systemic effects	/	62 mg/kg bw/day
n-butyl acetate	Worker	inhalation	long term systemic effects	/	300 mg/m ³
n-butyl acetate	Worker	inhalation	short term systemic effects	/	600 mg/m ³
n-butyl acetate	Worker	inhalation	long term local effects	/	300 mg/m ³
n-butyl acetate	Worker	inhalation	short term local effects	/	600 mg/m ³
n-butyl acetate	Worker	dermal	long term systemic effects	/	11 mg/kg bw/day
n-butyl acetate	Worker	dermal	short term systemic effects	/	11 mg/kg bw/day
n-butyl acetate	Consumer	inhalation	long term systemic effects	/	35.7 mg/m ³
n-butyl acetate	Consumer	inhalation	short term systemic effects	/	300 mg/m ³
n-butyl acetate	Consumer	inhalation	long term local effects	/	35.7 mg/m ³
n-butyl acetate	Consumer	inhalation	short term local effects	/	300 mg/m ³
n-butyl acetate	Consumer	dermal	long term systemic effects	/	6 mg/kg bw/day
n-butyl acetate	Consumer	dermal	short term systemic effects	/	6 mg/kg bw/day
n-butyl acetate	Consumer	oral	long term systemic effects	/	2 mg/kg bw/day

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Name	Type	Exposure route	exp. frequency	Remark	Value
n-butyl acetate	Consumer	oral	short term systemic effects	/	2 mg/kg bw/day
xylene	Worker	inhalation	long term systemic effects	/	221 mg/m ³
xylene	Worker	inhalation	short term systemic effects	/	442 mg/m ³
xylene	Worker	inhalation	long term local effects	/	221 mg/m ³
xylene	Worker	inhalation	short term local effects	/	442 mg/m ³
xylene	Worker	dermal	long term systemic effects	/	212 mg/kg bw/day
xylene	Consumer	inhalation	long term systemic effects	/	65.3 mg/m ³
xylene	Consumer	inhalation	short term systemic effects	/	260 mg/m ³
xylene	Consumer	inhalation	long term local effects	/	65.3 mg/m ³
xylene	Consumer	inhalation	short term local effects	/	260 mg/m ³
xylene	Consumer	dermal	long term systemic effects	/	125 mg/kg bw/day
xylene	Consumer	oral	long term systemic effects	/	12.5 mg/kg bw/day
reaction mass of ethylbenzene, m-xylene and p-xylene	Worker	inhalation	long term systemic effects	/	221 mg/m ³
reaction mass of ethylbenzene, m-xylene and p-xylene	Worker	inhalation	short term systemic effects	/	442 mg/m ³

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Name	Type	Exposure route	exp. frequency	Remark	Value
reaction mass of ethylbenzene, m-xylene and p-xylene	Worker	inhalation	long term local effects	/	221 mg/m ³
reaction mass of ethylbenzene, m-xylene and p-xylene	Worker	inhalation	short term local effects	/	442 mg/m ³
reaction mass of ethylbenzene, m-xylene and p-xylene	Worker	dermal	long term systemic effects	/	212 mg/kg bw/day
reaction mass of ethylbenzene, m-xylene and p-xylene	Consumer	inhalation	long term systemic effects	/	65.3 mg/m ³
reaction mass of ethylbenzene, m-xylene and p-xylene	Consumer	inhalation	short term systemic effects	/	260 mg/m ³
reaction mass of ethylbenzene, m-xylene and p-xylene	Consumer	inhalation	long term local effects	/	65.3 mg/m ³
reaction mass of ethylbenzene, m-xylene and p-xylene	Consumer	inhalation	short term local effects	/	260 mg/m ³
reaction mass of ethylbenzene, m-xylene and p-xylene	Consumer	dermal	long term systemic effects	/	125 mg/kg bw/day
reaction mass of ethylbenzene, m-xylene and p-xylene	Consumer	oral	long term systemic effects	/	12.5 mg/kg bw/day

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Name	Type	Exposure route	exp. frequency	Remark	Value
xylene	Worker	inhalation	long term systemic effects	/	221 mg/m ³
xylene	Worker	inhalation	short term systemic effects	/	442 mg/m ³
xylene	Worker	inhalation	long term local effects	/	221 mg/m ³
xylene	Worker	inhalation	short term local effects	/	442 mg/m ³
xylene	Worker	dermal	long term systemic effects	/	212 mg/kg bw/day
xylene	Consumer	inhalation	long term systemic effects	/	65.3 mg/m ³
xylene	Consumer	inhalation	short term systemic effects	/	260 mg/m ³
xylene	Consumer	inhalation	long term local effects	/	65.3 mg/m ³
xylene	Consumer	inhalation	short term local effects	/	260 mg/m ³
xylene	Consumer	dermal	long term systemic effects	/	125 mg/kg bw/day
xylene	Consumer	oral	long term systemic effects	/	12.5 mg/kg bw/day

PNEC values

For product

No information.

For components

Name	Exposure route	Remark	Value
acetone	fresh water	/	10.6 mg/L
acetone	water, intermittent release	/	21 mg/L
acetone	marine water	/	1.06 mg/L
acetone	water treatment plant	/	100 mg/L
acetone	fresh water sediment	dry weight	30.4 mg/kg
acetone	marine water sediment	dry weight	3.04 mg/kg

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Name	Exposure route	Remark	Value
acetone	soil	dry weight	29.5 mg/kg
n-butyl acetate	fresh water	/	0.18 mg/L
n-butyl acetate	water, intermittent release	/	0.36 mg/L
n-butyl acetate	marine water	/	0.018 mg/L
n-butyl acetate	water treatment plant	/	35.6 mg/L
n-butyl acetate	fresh water sediment	dry weight	0.981 mg/kg
n-butyl acetate	marine water sediment	dry weight	0.098 mg/kg
n-butyl acetate	soil	dry weight	0.09 mg/kg
xylene	fresh water	/	0.327 mg/L
xylene	water, intermittent release	/	0.327 mg/L
xylene	marine water	/	0.327 mg/L
xylene	water treatment plant	/	6.58 mg/L
xylene	fresh water sediment	dry weight	12.46 mg/kg
xylene	marine water sediment	dry weight	12.46 mg/kg
xylene	soil	dry weight	2.31 mg/kg
reaction mass of ethylbenzene, m-xylene and p-xylene	fresh water	/	0.327 mg/L
reaction mass of ethylbenzene, m-xylene and p-xylene	water, intermittent release	/	0.327 mg/L
reaction mass of ethylbenzene, m-xylene and p-xylene	marine water	/	0.327 mg/L
reaction mass of ethylbenzene, m-xylene and p-xylene	water treatment plant	/	6.58 mg/L
reaction mass of ethylbenzene, m-xylene and p-xylene	fresh water sediment	dry weight	12.46 mg/kg
reaction mass of ethylbenzene, m-xylene and p-xylene	marine water sediment	dry weight	12.46 mg/kg
reaction mass of ethylbenzene, m-xylene and p-xylene	soil	dry weight	2.31 mg/kg
xylene	fresh water	/	0.327 mg/L
xylene	water, intermittent release	/	0.327 mg/L

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Name	Exposure route	Remark	Value
xylene	marine water	/	0.327 mg/L
xylene	water treatment plant	/	6.58 mg/L
xylene	fresh water sediment	dry weight	12.46 mg/kg
xylene	marine water sediment	dry weight	12.46 mg/kg
xylene	soil	dry weight	2.31 mg/kg

8.2 Exposure controls

Appropriate engineering control

Substance/mixture related measures to prevent exposure during identified uses

Use good personal hygiene practices – wash hands at breaks and when done working with material.

Structural measures to prevent exposure

No information.

Organisational measures to prevent exposure

No information.

Technical measures to prevent exposure

Provide good ventilation and local exhaust in areas with increased concentration.

Personal protective equipment

Eye and face protection

Safety glasses with side protection (BS EN ISO 16321-1:2022).

Hand protection

Protective gloves (EN ISO 374-1:2016). In case of prolonged exposure, wear protective gloves (BS EN ISO 374).

Appropriate materials

Skin protection

Cotton protective clothing and shoes that cover the entire foot (EN ISO 20345:2022).

Respiratory protection

In case of insufficient ventilation wear suitable respiratory protection. Wear suitable protective breathing mask (EN 136) with filter A2-P2 (EN 14387).

Thermal hazards

No information.

Environmental exposure controls

Substance/mixture related measures to prevent exposure

No information.

Instruction measures to prevent exposure

No information.

Organisational measures to prevent exposure

No information.

Technical measures to prevent exposure

No information.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

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9.1 Information on basic physical and chemical properties

Important health, safety and environmental information

Physical state	liquid
Shape	aerosol
Colour	colourless
Odour	No information.
Odour threshold	No information.
Melting/freezing point or softening point	No information.
Boiling point or initial boiling point and boiling range	No information.
Flammability	No information.
Lower and upper explosion limit	1.5 – 10.9 % v/v (propellant) 2.1 – 13 % v/v (acetone)
Flash point	0 °C
Auto-ignition temperature	No information.
Decomposition temperature	No information.
pH	Substance/mixture is non-soluble (in water). Does not apply
Viscosity	No information.
Solubility	No information.
Partition coefficient n-octanol/water (log value)	No information.
Vapour pressure	8 hPa at 20 °C
Density	0.849 g/cm ³
Relative vapour/gas density	No information.
Particle characteristics	No information.

9.2 Other information

Information with regard to physical hazard classes

No information.

Other safety characteristics

Weight organic solvents	639 g/l (VOC) 639 g/l (VOC (RFU)) 88 % (VOC)
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Section 10: STABILITY AND REACTIVITY

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10.1 Reactivity

No information.

10.2 Chemical stability

Product is stable under normal conditions of use, recommended handling and storage conditions.

10.3 Possibility of hazardous reactions

No information.

10.4 Conditions to avoid

Protect from heat, direct sunlight, open fire, sparks.

10.5 Incompatible materials

No information.

10.6 Hazardous decomposition products

Under normal use conditions no hazardous decomposition products are expected. In case of fire/explosion vapours/gases that pose a health hazard are released.

Section 11: Toxicological information

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

(a) Acute toxicity

For components

Name	Exposure route	Type	Species	Time	Value	Method	Remark
isobutane	inhalation	LC ₅₀	rat	4 h	658 mg/l	/	/
n-butyl acetate	oral	LD ₅₀	mouse	/	6 mg/kg	/	/
n-butyl acetate	oral	LD ₅₀	rat	/	10768 mg/kg	/	/
propane	inhalation	LC ₅₀	rat	4 h	20 mg/l	/	/
hydrocarbons, C9, aromatics	oral	LD ₅₀	rat	/	3592 mg/kg	/	/

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Name	Exposure route	Type	Species	Time	Value	Method	Remark
hydrocarbons, C9, aromatics	dermal	LD ₅₀	rabbit	/	3160 mg/kg	/	/
aromatic hydrocarbons, C8	oral	LD ₅₀	rat	/	3523 mg/kg	/	/
xylene	oral	LD ₅₀	rat	/	> 3523 mg/kg	/	/
xylene	dermal	LD ₅₀	rabbit	/	4200 mg/kg	/	/
xylene	inhalation (vapours)	LC ₅₀	rat	4 h	29 mg/l	/	/
reaction mass of ethylbenzene, m-xylene and p-xylene	oral	LD ₅₀	mouse	/	5627 mg/kg	/	/
reaction mass of ethylbenzene, m-xylene and p-xylene	dermal	LD ₅₀	rabbit	/	> 5000 mg/kg	/	/
reaction mass of ethylbenzene, m-xylene and p-xylene	inhalation	LC ₅₀	rat	/	6700 ppm	/	/
xylene	oral	LD ₅₀	rat	/	4300 mg/kg	/	/
xylene	dermal	LD ₅₀	rabbit	/	2000 mg/kg	/	/

(b) Skin corrosion/irritation

For components

Name	Species	Time	result	Method	Remark
xylene	/	/	Irritating.	/	/

(c) Serious eye damage/irritation

For components

Name	Exposure route	Species	Time	result	Method	Remark
xylene	/	/	/	Irritating.	/	/

(d) Respiratory or skin sensitisation

No information.

(e) (Germ cell) mutagenicity

For components

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Name	Type	Species	Time	result	Method	Remark
aromatic hydrocarbons, C8	in-vivo mutagenicity	/	/	Negative.	/	/
aromatic hydrocarbons, C8	in-vitro mutagenicity	/	/	Negative.	/	/

(f) Carcinogenicity

For components

Name	Exposure route	Type	Species	Time	Value	result	Method	Remark
aromatic hydrocarbons, C8	/	/	/	/	/	Substance is not classified as carcinogenic.	/	/

(g) Reproductive toxicity

For components

Name	Reproductive toxicity type	Type	Species	Time	Value	result	Method	Remark
aromatic hydrocarbons, C8	Reproductive toxicity	/	/	/	/	Animal testing did not show any effects on fertility.	/	/

Summary of evaluation of the CMR properties

No information.

(h) STOT-single exposure

For components

Name	Exposure route	Type	Species	Time	Exposure organ	Value	result	Method	Remark
aromatic hydrocarbons, C8	oral	-	/	/	/	/	May cause irritation of the digestive tract.	/	/

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Name	Exposure route	Type	Species	Time	Exposure	organ	Value	result	Method	Remark
aromatic hydrocarbons, C8	inhalation	-	/	/	/	/	/	May cause respiratory irritation.	/	high concerns

(i) STOT-repeated exposure

For components

Name	Exposure route	Type	Species	Time	Exposure	organ	Value	result	Method	Remark
acetone	dermal	-	/	/	/	/	/	Prolonged exposure causes skin irritation.	/	/

(j) Aspiration hazard

No information.

Symptoms related to the physical, chemical and toxicological characteristics

No information.

Interactive effects

No information.

11.2 Information on other hazards

Endocrine disrupting properties

The product does not contain substances with the potential for endocrine disorders.

Other information

No information.

Section 12: Ecological information

12.1 Toxicity

Acute (short-term) toxicity

For components

Name	Type	Value	Exposure time	Species	Organism	Method	Remark
n-butyl acetate	EC ₅₀	32 mg/L	48 h	crustacea	/	/	/
n-butyl acetate	LC ₅₀	18 mg/L	96 h	fish	/	/	/

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Name	Type	Value	Exposure time	Species	Organism	Method	Remark
hydrocarbons, C9, aromatic s	EC ₅₀	3.2 mg/L	48 h	crustacea	<i>Daphnia magna</i>	/	/
hydrocarbons, C9, aromatic s	EC ₅₀	9.2 mg/L	96 h	fish	<i>Oncorhynchus mykiss</i>	/	/
hydrocarbons, C9, aromatic s	EC ₅₀	2.75 mg/L	72 h	algae	<i>Pseudokirchneriella subcapitata</i>	/	/
aromatic hydrocarbons, C8	LC ₅₀	2.6 mg/L	96 h	fish	/	/	/
aromatic hydrocarbons, C8	EC ₅₀	1 mg/L	48 h	crustacea	<i>Daphnia magna</i>	/	/
aromatic hydrocarbons, C8	LC ₅₀	2.2 mg/L	72 h	algae	/	/	/
xylene	LC ₅₀	13.4 mg/L	96 h	fish	<i>Pimephales promelas</i>	/	/
xylene	LC ₅₀	13.1 - 16.5 mg/L	96 h	fish	<i>Lepomis macrochirus</i>	/	/
xylene	LC ₅₀	2661 - 4093 mg/L	96 h	fish	<i>Oncorhynchus mykiss</i>	/	/
xylene	LC ₅₀	19 mg/L	96 h	fish	<i>Lepomis macrochirus</i>	/	/
xylene	LC ₅₀	30.26 - 40.75 mg/L	96 h	fish	<i>Poecilia reticulata</i>	/	/
xylene	LC ₅₀	23.53 - 29.97 mg/L	96 h	fish	<i>Pimephales promelas</i>	/	/
xylene	LC ₅₀	7711 - 9591 mg/L	96 h	fish	<i>Lepomis macrochirus</i>	/	/

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Name	Type	Value	Exposure time	Species	Organism	Method	Remark
xylene	LC ₅₀	780 mg/L	96 h	fish	<i>Cyprinus carpio</i>	/	/
xylene	LC ₅₀	> 780 mg/L	96 h	fish	<i>Cyprinus carpio</i>	/	/
xylene	LC ₅₀	13.5 - 17.3 mg/L	96 h	fish	<i>Oncorhynchus mykiss</i>	/	/
xylene	EC ₅₀	3.82 mg/L	48 h	daphnia	/	/	/
reaction mass of ethylbenzene, m-xylene and p-xylene	LC ₅₀	> 1.3 mg/L	/	fish	/	/	/
xylene	EC ₅₀	165 mg/L	48 h	crustacea	/	/	/
xylene	LC ₅₀	14 - 86 mg/L	96 h	fish	/	/	/
xylene	EC ₅₀	1 - 10 mg/L	72 h	algae	/	/	/
ethylbenzene	LC ₅₀	9.6 mg/L	96 h	fish	/	/	/
ethylbenzene	LC ₅₀	9.09 mg/L	96 h	fish	/	/	/
ethylbenzene	LC ₅₀	4.2 mg/L	96 h	fish	/	/	/

Chronic (long-term) toxicity

No information.

12.2 Persistence and degradability

Abiotic degradation, physical- and photo-chemical elimination

No information.

Biodegradation

For components

Name	Type	Rate	Time	Evaluation	Method	Remark
acetone	-	/	/	readily biodegradable	/	/

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Name	Type	Rate	Time	Evaluation	Method	Remark
reaction mass of ethylbenzene, m-xylene and p-xylene	BOD	57 - 80 g O ₂ /g	/	/	/	/

12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log value)

For components

Name	Value	Temperature °C	pH	Concentration	Method
acetone	-0.23	/	/	/	/
aromatic hydrocarbons, C8	> 3	/	/	/	/
reaction mass of ethylbenzene, m-xylene and p-xylene	3.12 - 3.2	/	/	/	/

Bioconcentration factor (BCF)

For components

Name	Species	Organism	Value	Duration	Evaluation	Method	Remark
acetone	BCF	/	3	/	/	/	/
aromatic hydrocarbons, C8	BCF	/	25.9	/	/	/	/
reaction mass of ethylbenzene, m-xylene and p-xylene	BCF	/	25.9	/	/	/	/

12.4 Mobility in soil

Known or predicted distribution to environmental compartments

No information.

Surface tension

No information.

Adsorption/Desorption

For components

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Name	Type	Criterion	Value	Evaluation	Method	Remark
reaction mass of ethylbenzene, m-xylene and p-xylene	Soil	log KOC	2.73	/	/	/

12.5 Results of PBT and vPvB assessment

No evaluation.

12.6 Endocrine disrupting properties

The product does not contain substances with the potential for endocrine disorders.

12.7 Other adverse effects

No information.

12.8 Additional information

For components

reaction mass of ethylbenzene, m-xylene and p-xylene

This substance is not considered to be persistent, bioaccumulative and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulative (vPvB). Bioaccumulation is not expected.

Section 13: Disposal considerations

13.1 Waste treatment methods

Product / Packaging disposal

Waste chemical

Disposal must be made according to official regulations: deliver it to authorised collector/remover/transformer of hazardous waste.

Waste codes / waste designations according to LoW

No information.

Packaging

Deliver completely emptied containers to approved waste disposal authorities.

Waste codes / waste designations according to LoW

No information.

Waste treatment-relevant information

No information.

Sewage disposal-relevant information

No information.

Other disposal recommendations

No information.

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silco[®]

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Section 14: Transport information

ADR/RID	IMDG	IATA	ADN
14.1 UN number or ID number			
UN 1950	UN 1950	UN 1950	UN 1950
14.2 UN proper shipping name			
AEROSOLS	AEROSOLS	AEROSOLS	AEROSOLS
14.3 Transport hazard class(es)			
2	2	2	2
			
14.4 Packing group			
Not given/not applicable	Not given/not applicable	Not given/not applicable	Not given/not applicable
14.5 Environmental hazards			
NO	NO	NO	NO
14.6 Special precautions for user			
Limited quantities 1 L Special provisions 190, 327, 344, 625 Packing Instructions P207, LP200 Special packing provisions PP87, RR6, L2 Transport category 2 Tunnel restriction code (D) Classification code 5F	Limited quantities 1 L EmS F-D, S-U Flash point 0 °C	Limited Quantity, Packing Instructions (Ltd Qty, Pkg Inst) Y203 Limited Quantity, Maximum Net Quantity/Package (Ltd Qty, Max Net Qty/Pkg) 30 kg G Packing Instructions (Pkg Inst) 203 Maximum Net Quantity/Package (Max Net Qty/Pkg) 25 kg Special provisions A145, A167, A802	Limited quantities 1 L

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ADR/RID	IMDG	IATA	ADN
14.7 Maritime transport in bulk according to IMO instruments	Goods may not be carried in bulk in bulk containers, containers or vehicles.		

Section 15: Regulatory information

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

- Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (including last amendment Commission Regulation (EU) 2020/878)
- Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

Information according 2004/42/EC about limitation of emissions of volatile organic compounds (VOC-guideline)

EU limit values and category: B(e) 840 g/l. VOC Content: 688 g/l

Ingredients according to Regulation (EC) No 648/2004 on detergents

No information.

Special instructions

No information.

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

Section 16: Other information

Indication of changes

2.2 Label elements 3.2 Mixtures 7.2 Conditions for safe storage, including any incompatibilities 8.1 Control parameters 9.1 Information on basic physical and chemical properties 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008 12.1 Toxicity 12.2 Persistence and degradability 12.3 Bioaccumulative potential 12.4 Mobility in soil 14. Transport information 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Key literature references and sources for data

No information.

Abbreviations and acronyms

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ATE - Acute Toxicity Estimate
ADR - Agreement concerning the International Carriage of Dangerous Goods by Road
ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
CEN - European Committee for Standardisation
C&L - Classification and Labelling
CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
CAS# - Chemical Abstracts Service number
CMR - Carcinogen, Mutagen, or Reproductive Toxicant
CSA - Chemical Safety Assessment
CSR - Chemical Safety Report
DMEL - Derived Minimal Effect Level
DNEL - Derived No Effect Level
DPD - Dangerous Preparations Directive 1999/45/EC
DSD - Dangerous Substances Directive 67/548/EEC
DU - Downstream User
EC - European Community
ECHA - European Chemicals Agency
EC-Number - EINECS and ELINCS Number (see also EINECS and ELINCS)
EEA - European Economic Area (EU + Iceland, Liechtenstein and Norway)
EEC - European Economic Community
EINECS - European Inventory of Existing Commercial Substances
ELINCS - European List of notified Chemical Substances
EN - European Standard
EQS - Environmental Quality Standard
EU - European Union
Euphrac - European Phrase Catalogue
EWC - European Waste Catalogue (replaced by LoW - see below)
GES - Generic Exposure Scenario
GHS - Globally Harmonized System
IATA - International Air Transport Association
ICAO-TI - Technical Instructions for the Safe Transport of Dangerous Goods by Air
IMDG - International Maritime Dangerous Goods
IMSBC - International Maritime Solid Bulk Cargoes
IT - Information Technology
IUCLID - International Uniform Chemical Information Database
IUPAC - International Union for Pure Applied Chemistry
JRC - Joint Research Centre
Kow - octanol-water partition coefficient
LC50 - Lethal Concentration to 50 % of a test population
LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose)
LE - Legal Entity
LoW - List of Wastes (see <http://ec.europa.eu/environment/waste/framework/list.htm>)
LR - Lead Registrant
M/I - Manufacturer / Importer
MS - Member States
MSDS - Material Safety Data Sheet
OC - Operational Conditions
OECD - Organization for Economic Co-operation and Development
OEL - Occupational Exposure Limit
OJ - Official Journal
OR - Only Representative
OSHA - European Agency for Safety and Health at work
PBT - Persistent, Bioaccumulative and Toxic substance

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PEC - Predicted Effect Concentration

PNEC(s) - Predicted No Effect Concentration(s)

PPE - Personal Protection Equipment

(Q)SAR - Qualitative Structure Activity Relationship

REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals (Regulation (EC) No 1907/2006)

RID - Regulations concerning the International Carriage of Dangerous Goods by Rail

RIP - REACH Implementation Project

RMM - Risk Management Measure

SCBA - Self-Contained Breathing Apparatus

SDS - Safety data sheet

SIEF - Substance Information Exchange Forum

SME - Small and Medium sized Enterprises

STOT - Specific Target Organ Toxicity

(STOT) RE - Repeated Exposure

(STOT) SE - Single Exposure

SVHC - Substances of Very High Concern

UN - United Nations

vPvB - Very Persistent and Very Bioaccumulative

List of relevant H phrases

H220 Extremely flammable gas.

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H280 Contains gas under pressure; may explode if heated.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H373 May cause damage to organs through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

EUH066 Repeated exposure may cause skin dryness or cracking.