SAFETY DATA SHEET ACCORDING TO 2020 NO. 1577 - THE REACH ETC. (AMENDMENT ETC.) (EU EXIT) REGULATIONS 2020 (UK REACH)

Product name: STONDER 1K Base Coat

Creation date: 17.09.2024, Revision: 17.09.2024, version: 1.0

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product name
STONDER 1K Base Coat

Product code
[GB*** UFI:4V12-W0U1-500R-TP8V]

https://my.chemius.net/p/PtmO57/en/pd/e8

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

Relevant identified uses
base coat with a metallic, pearl or non-metallic effect for professional use

Uses advised against
All uses not specified in this section or in section 7.3.

1.3 Details of the supplier of the safety data sheet

Supplier
Rags SIA

, Slovenia
+37129264791

1.4 Emergency Telephone Number

Emergency
111

Supplier
+37129264791

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to 2020 No. 1567 (GB CLP).
Flam. Liq. 3; H226 Flammable liquid and vapour.
Asp. Tox. 1; H304 May be fatal if swallowed and enters airways.
Acute Tox. 4; H312 Harmful in contact with skin.
Skin Irrit. 2; H315 Causes skin irritation.
Eye Irrit. 2; H319 Causes serious eye irritation.
Acute Tox. 4; H332 Harmful if inhaled.
STOT SE 3; H335 May cause respiratory irritation.
STOT SE 3; H336 May cause drowsiness or dizziness.
STOT RE 2; H373 May cause damage to organs through prolonged or repeated exposure.

2.2 Label elements

Labelling according to 2020 No. 1567 (GB CLP)

Signal word: DANGER

H226 Flammable liquid and vapour.
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.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P243 Take action to prevent static discharges.
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P331 Do NOT induce vomiting.
P332 + P313 If skin irritation occurs: Get medical advice/attention.

Contains:
reaction mass of ethylbenzene and m-xylene and p-xylene
n-butyl acetate
ethyl acetate

2.3 Other hazards

PBT/vPvB
Product does not meet PBT/vPvB criteria

Endocrine disrupting properties
The product does not meet the criteria.

Additional information
No information.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

For mixtures see 3.2.

3.2 Mixtures

Name	CAS EC Index Reach	%	Classification according to 2020 No. 1567 (GB CLP).	Specific Concentration Limits	Notes for substances
reaction mass of ethylbenzene and m-xylene and p-xylene	- 905-562-9 -	32-33	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	/	/

n-butyl acetate	123-86-4 204-658-1 607-025-00-1	19-20	Flam. Liq. 3; H226 STOT SE 3; H336 EUH066	/	/
ethyl acetate	141-78-6 205-500-4 607-022-00-5	15-16	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336 EUH066	/	/
1-methoxy-2-propylacetate	108-65-6 203-603-9 607-195-00-7	7-8	Flam. Liq. 3; H226	/	/
butan-1-ol	71-36-3 200-751-6 603-004-00-6	1-2	Flam. Liq. 3; H226 Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT SE 3; H335 STOT SE 3; H336	/	/

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General notes

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product. Not available.

Following inhalation

Remove the person affected from the area of exposure, provide with fresh air and keep at rest. In serious cases such as cardiorespiratory failure, artificial resuscitation techniques will be necessary (mouth to mouth resuscitation, cardiac massage, oxygen supply, etc.) requiring immediate medical assistance.

Following skin contact

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed if it is stuck to the skin as this could worsen the caused injury. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

Following eye contact

Rinse eyes thoroughly with water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case removal could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS for the product.

Following ingestion

Request medical assistance immediately, showing the SDS of this product. Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. In the case of loss of consciousness do not administer anything orally unless supervised by a doctor. Rinse out the mouth and throat, as they may have been affected during ingestion. Keep the person affected at rest.

4.2 Most important symptoms and effects, both acute and delayed

Following inhalation

Acute and delayed effects are indicated in sections 2 and 11.

Following skin contact

No information.

Following eye contact

No information.

Following ingestion

No information.

4.3 Indication of any immediate medical attention and special treatment needed

Not available

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

As a result of combustion or thermal decomposition reactive subproducts are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters

Protective actions

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

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

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Protective equipment

Personal protection equipment must be used against potential contact with the spilt product (See section 8).

Precautionary measures

Isolate leaks provided that there is no additional risk for the people performing this task. Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Remove any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

Emergency procedures

Evacuate the area and keep out those without protection.

For emergency responders

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions

This product is not classified as hazardous to the environment. Keep product away from drains, surface and ground water.

6.3 Methods and material for containment and cleaning up

For containment

No information.

For cleaning up

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

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

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. Vapours are heavier than air and spread along the floor. They form explosive mixtures with air.

Measures to prevent aerosol and dust generation

Use general or local exhaust ventilation to prevent inhaling vapours and aerosols.

Measures to protect the environment

Do not discharge into drains, surface water and soil. After use immediately close container tightly.

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. Avoid contact with skin, eyes and clothes. Remove contaminated clothes and wash them before reuse. Wear suitable protective equipment; see Section 8.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep in a cool, dry and well ventilated place. Protect from open fire, heat and direct sunlight. Keep away from food, drink and animal feeding stuffs. Keep away from oxidising substances. Keep away from sources of ignition - no smoking.

Packaging materials

Store only in original container.

Requirements for storage rooms and vessels

Close opened containers after use. Put the containers upright to prevent from leaking. Do not store in unlabelled containers.

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

Name	mg/m³	ml/m³	Short-term value mg/m³	Short-term value ml/m³	Remark	Biological Tolerance Values
1-Methoxypropyl acetate (108-65-6)	274	50	548	100	Sk	/
Butan-1-ol (71-36-3)	/	/	154	50	Sk	/
Butyl acetate (123-86-4)	724	150	966	200	/	/
Ethyl acetate (141-78-6)	734	200	1468	400	/	/

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
reaction mass of ethylbenzene and m-xylene and p-xylene	Worker	inhalation	long term	/	mg/m³
reaction mass of ethylbenzene and m-xylene and p-xylene	Worker	inhalation	short term	/	mg/m³
reaction mass of ethylbenzene and m-xylene and p-xylene	Worker	dermal	short term	/	mg/kg bw/day
reaction mass of ethylbenzene and m-xylene and p-xylene	Consumer	inhalation	long term	/	mg/m³
reaction mass of ethylbenzene and m-xylene and p-xylene	Consumer	inhalation	short term	/	mg/m³
reaction mass of ethylbenzene and m-xylene and p-xylene	Consumer	dermal	long term	/	mg/kg bw/day
reaction mass of ethylbenzene and m-xylene and p-xylene	Consumer	oral	long term	/	mg/kg bw/day
n-butyl acetate	Worker	inhalation	long term systemic effects	/	300 mg/m³
n-butyl acetate	Worker	inhalation	short term systemic effects	/	600 mg/m³
n-butyl acetate	Worker	inhalation	long term local effects	/	300 mg/m³
n-butyl acetate	Worker	inhalation	short term local effects	/	600 mg/m³
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/m³
n-butyl acetate	Consumer	inhalation	short term systemic effects	/	300 mg/m³
n-butyl acetate	Consumer	inhalation	long term local effects	/	35.7 mg/m³
n-butyl acetate	Consumer	inhalation	short term local effects	/	300 mg/m³

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
n-butyl acetate	Consumer	oral	short term systemic effects	/	2 mg/kg bw/day
ethyl acetate	Worker	inhalation	short term systemic effects	/	mg/m³
ethyl acetate	Worker	dermal	long term systemic effects	/	mg/kg bw/day
ethyl acetate	Worker	inhalation	long term systemic effects	/	mg/m³
ethyl acetate	Worker	inhalation	long term local effects	/	mg/m³
ethyl acetate	Consumer	inhalation	short term systemic effects	/	mg/m³
ethyl acetate	Consumer	inhalation	long term local effects	/	mg/m³
ethyl acetate	Consumer	dermal	long term systemic effects	/	mg/kg
ethyl acetate	Consumer	inhalation	long term systemic effects	/	mg/m³
ethyl acetate	Consumer	oral	long term systemic effects	/	mg/kg
ethyl acetate	Consumer	inhalation	long term local effects	/	mg/m³
ethyl acetate	Worker	inhalation	short term local effects	/	mg/m³
1-methoxy-2-propylacetate	Worker	inhalation	long term systemic effects	/	275 mg/m³
1-methoxy-2-propylacetate	Worker	inhalation	short term local effects	/	550 mg/m³
1-methoxy-2-propylacetate	Worker	dermal	long term systemic effects	/	796 mg/kg bw/day
1-methoxy-2-propylacetate	Consumer	inhalation	long term systemic effects	/	33 mg/m³
1-methoxy-2-propylacetate	Consumer	inhalation	long term local effects	/	33 mg/m³
1-methoxy-2-propylacetate	Consumer	dermal	long term systemic effects	/	320 mg/kg bw/day
1-methoxy-2-propylacetate	Consumer	oral	long term systemic effects	/	36 mg/kg bw/day
1-methoxy-2-propylacetate	Consumer	oral	short term systemic effects	/	500 mg/kg bw/day

PNEC values

For product

No information.

For components

Name	Exposure route	Remark	Value
reaction mass of ethylbenzene and m-xylene and p-xylene	fresh water	/	mg/L
reaction mass of ethylbenzene and m-xylene and p-xylene	marine water	/	mg/L
reaction mass of ethylbenzene and m-xylene and p-xylene	soil	/	mg/kg
reaction mass of ethylbenzene and m-xylene and p-xylene	fresh water sediment	/	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
ethyl acetate	fresh water	/	mg/L
ethyl acetate	marine water	/	mg/L
ethyl acetate	fresh water sediment	wet weight	mg/kg
ethyl acetate	marine water sediment	wet weight	mg/kg
ethyl acetate	soil	wet weight	mg/kg
ethyl acetate	water treatment plant	/	mg/L
ethyl acetate	food chain	oral	g/kg
1-methoxy-2- propylacetate	fresh water	/	0.635 mg/L
1-methoxy-2- propylacetate	water, intermittent release	/	6.35 mg/L
1-methoxy-2- propylacetate	marine water	/	0.064 mg/L
1-methoxy-2- propylacetate	water treatment plant	/	100 mg/L
1-methoxy-2- propylacetate	fresh water sediment	dry weight	3.29 mg/kg
1-methoxy-2- propylacetate	marine water sediment	dry weight	0.329 mg/kg
1-methoxy-2- propylacetate	soil	dry weight	0.29 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. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothes. Do not eat, drink or smoke while working. Do not breathe vapours/aerosols.

Structural measures to prevent exposure

No information.

Organisational measures to prevent exposure

Remove all contaminated clothes immediately and wash them before reuse.

Technical measures to prevent exposure

Provide good ventilation and local exhaust in areas with increased concentration. Keep away from food, drink and animal feeding stuffs.

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). Observe the manufacturer's instructions regarding the use, storage, maintenance and replacement of gloves. In case of damage or at the first signs of wear and tear, change the gloves immediately. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. The penetration time is determined by the protective glove manufacturer and must be observed.

Appropriate materials

Skin protection

Protective antistatic clothing EN 1149 (1:2006, 2:1998 and 3:2004, 5:2008), protective antistatic shoes (EN 20345:2012). At high risk of skin exposure chemical suits (BS EN 13034:2005+A1:2009) and boots may be required (BS EN ISO 20345:2022+A1:2024).

Respiratory protection

In case of insufficient ventilation wear suitable respiratory protection. Wear suitable protective breathing mask (EN 136) with filter A2-P2 (EN 14387). For dust/gas/ vapor concentrations above the applicable filter limit, in case of oxygen concentrations below 17% or in vague conditions, autonomous self-contained breathing apparatus should be used, according to standard BS EN 137, BS EN 138.

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
Do not allow product to reach drains, sewage systems or ground water.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Important health, safety and environmental information

Physical state	liquid
Shape	No information.
Colour	white black silver
Odour	solvent like
Odour threshold	No information.
Melting/freezing point or softening point	No information.
Boiling point or initial boiling point and boiling range	77 °C
Flammability	No information.
Lower and upper explosion limit	No information.
Flash point	27 °C
Auto-ignition temperature	333 °C
Decomposition temperature	No information.
pH	No information.
Viscosity (kinematic)	< 20.5 mm^2/s
Solubility (Water)	Insoluble at 40 °C
Partition coefficient n-octanol/water (log value)	No information.
Vapour pressure	8.21 hPa at 20 °C
Density	960 — 1200 kg/m^3 at 20 °C
Relative density	0.96 — 1.2 at 20 °C
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
No information.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7 from Safety Data Sheet.

10.2 Chemical stability

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

10.3 Possibility of hazardous reactions

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid

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

10.5 Incompatible materials

Oxidants.

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
reaction mass of ethylbenzene and m-xylene and p-xylene	oral	LD_{50}	mouse	/	5627 mg/kg	/	/
reaction mass of ethylbenzene and m-xylene and p-xylene	dermal	LD_{50}	rabbit	/	> 5000 mg/kg	/	/
reaction mass of ethylbenzene and m-xylene and p-xylene	inhalation	LC_{50}	rat	/	6700 ppm	/	/
n-butyl acetate	dermal	LD_{50}	rabbit	/	5000 mg/kg	/	/
n-butyl acetate	inhalation	LC_{50}	rat	4 h	9.6 - 29.2 mg/l	/	dust/aerosol
n-butyl acetate	oral	LD_{50}	rat	/	4700 mg/kg	/	/
ethyl acetate	oral	LD_{50}	rat	/	4100 mg/kg	/	/
ethyl acetate	dermal	LD_{50}	rabbit	/	> 2000 mg/kg	/	/
ethyl acetate	inhalation	LC_{50}	rat	6 h	> 22.5 mg/l	/	/
1-methoxy-2-propylacetate	oral	LD_{50}	rat	/	8530 mg/kg	/	/
1-methoxy-2-propylacetate	inhalation	LC_{50}	rat	4 h	35.7 mg/l	/	vapour
1-methoxy-2-propylacetate	dermal	LD_{50}	rat	/	5000 mg/kg	/	/
butan-1-ol	inhalation (vapours)	LC_{50}	rat	/	24.3 mg/l	/	/
butan-1-ol	oral	LD_{50}	rat	/	790 - 4360 mg/kg	/	/
butan-1-ol	dermal	LD_{50}	rabbit	/	3402 mg/kg	/	/

Additional information

Harmful if inhaled. Harmful in contact with skin.

(b) Skin corrosion/irritation

No information.

Additional information

Causes skin and eye irritation.

(c) Serious eye damage/irritation

For components

Name	Exposure route	Species	Time	result	Method	Remark
1-methoxy-2-propylacetate	/	/	/	May cause irritation.	/	/

(d) Respiratory or skin sensitisation

No information.

Additional information

The product is not classified as sensitising.

(e) (Germ cell) mutagenicity

No information.

(f) Carcinogenicity

No information.

(g) Reproductive toxicity

For components

Name	Reproductive toxicity type	Type	Species	Time	Value	result	Method	Remark
reaction mass of ethylbenzene and m-xylene and p-xylene	/	*Translation required (61672)*	rat	/	> 500 ppm	/	/	/

Summary of evaluation of the CMR properties

The product is not classified as carcinogenic, mutagenic or toxic for reproduction.

(h) STOT-single exposure

No information.

Additional information

May cause drowsiness or dizziness. May cause respiratory irritation.

(i) STOT-repeated exposure

No information.

Additional information

May cause damage to organs through prolonged or repeated exposure.

(j) Aspiration hazard

No information.

Additional information

May be fatal if swallowed and enters airways.

Symptoms related to the physical, chemical and toxicological characteristics

No information.

Interactive effects

No information.

11.2 Information on other hazards

Endocrine disrupting properties

For product

Endocrine-disrupting properties: The product does not meet the criteria.

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
reaction mass of ethylbenzene and m-xylene and p-xylene	LC_{50}	> 1.3 mg/L	/	fish	/	/	/
n-butyl acetate	LC_{50}	18 mg/L	96 h	fish	/	/	/
n-butyl acetate	EC_{50}	44 mg/L	48 h	crustacea	/	/	/
n-butyl acetate	EC_{50}	675 mg/L	72 h	algae	/	/	/
ethyl acetate	LC_{50}	230 mg/L	96 h	fish	/	/	/
ethyl acetate	EC_{50}	260 mg/L	48 h	crustacea	*Daphnia*	/	/
ethyl acetate	NOEC	> 100 mg/L	72 h	algae	/	/	/
1-methoxy-2-propylacetate	LC_{50}	100 mg/L	96 h	fish	*Oncorhynchus mykiss*	/	/
1-methoxy-2-propylacetate	EC_{50}	500 mg/L	48 h	crustacea	/	/	/
butan-1-ol	LC_{50}	1376 mg/L	96 h	fish	Fathead minnow	/	/
butan-1-ol	EC_{50}	1328 mg/L	48 h	/	*Daphnia magna*	/	/
butan-1-ol	EC_{50}	225 mg/L	96 h	algae	green algae	/	/
butan-1-ol	NOEC	129 mg/L	96 h	algae	/	/	/

Chronic (long-term) toxicity

For components

Name	Type	Value	Exposure time	Species	organism	Method	Remark
reaction mass of ethylbenzene and m-xylene and p-xylene	NOEC	> 1.3 mg/l	/	fish	/	/	/
reaction mass of ethylbenzene and m-xylene and p-xylene	NOEC	1.57 mg/l	/	*Daphnia*	/	/	/
butan-1-ol	NOEC	4.1 mg/l	21 days	/	*Daphnia magna*	/	/

12.2 Persistence and degradability

Abiotic degradation, physical- and photo-chemical elimination

No information.

Biodegradation

For components

Name	Type	Rate	Time	Evaluation	Method	Remark
reaction mass of ethylbenzene and m-xylene and p-xylene	BOD	57 - 80 g O_2/g	/	/	/	/
ethyl acetate	biodegradability	/	/	rapidly biodegradable	/	/

12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log value)

For components

Name	Value	Temperature °C	pH	Concentration	Method
reaction mass of ethylbenzene and m-xylene and p-xylene	3.12 - 3.2	/	/	/	/
butan-1-ol	0.88	/	/	/	/

Bioconcentration factor (BCF)

For components

Name	Species	organism	Value	Duration	Evaluation	Method	Remark
reaction mass of ethylbenzene and m-xylene and p-xylene	BCF	/	25.9	/	/	/	/
1-methoxy-2-propylacetate	organism	/	0.43	/	/	/	/
butan-1-ol	/	fish	0.64	/	/	/	/

12.4 Mobility in soil

Known or predicted distribution to environmental compartments

No information.

Surface tension

No information.

Adsorption/Desorption

For components

Name	Type	Criterion	Value	Evaluation	Method	Remark
reaction mass of ethylbenzene and 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 product

Product is not classified as dangerous for environment. Do not allow to reach ground water, water courses or sewage system.

For components

reaction mass of ethylbenzene and 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.

1-methoxy-2- propylacetate

Water hazard class 1 (Self-assessment): slightly hazardous for water

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product / Packaging disposal

Waste chemical

Do not allow product to reach drains/sewage systems. 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. Uncleaned containers are classified as hazardous waste - they should be handled in the same manner as the contents. Uncleaned containers should not be perforated, cut or welded. Empty containers represent a fire hazard as they may contain flammable product residues and vapours.

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.

SECTION 14: TRANSPORT INFORMATION

ADR/RID	IMDG	IATA	ADN
14.1 UN number or ID number			
UN 1263	UN 1263	UN 1263	UN 1263
14.2 UN proper shipping name			
PAINT	PAINT	PAINT	PAINT
14.3 Transport hazard class(es)			
3	3	3	3
			
14.4 Packing group			
III	III	III	III
14.5 Environmental hazards			
NO	NO	NO	NO
14.6 Special precautions for user			

Limited quantities 5 L Special provisions 163, 367, 650 Packing Instructions P001, IBC03, LP01, R001 Special packing provisions PP1 Transport category 3 Tunnel restriction code (D/E) Classification code F1	Limited quantities 5 L EmS F-E, S-E Flash point 27 °C	Limited Quantity, Packing Instructions (Ltd Qty, Pkg Inst) Y344 Limited Quantity, Maximum Net Quantity/Package (Ltd Qty, Max Net Qty/Pkg) 10 L Packing Instructions (Pkg Inst) 355 Maximum Net Quantity/Package (Max Net Qty/Pkg) 25 L Cargo Aircraft Only, Packing Instructions (CAO, Pkg Inst) 366 Special provisions A3, A72, A192 ERG code 3L	Limited quantities 5 L
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

- The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 (UK REACH - 2020 No. 1577).

- The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020 (GB CLP - 2020 No. 1567).

Information according 2012 No. 1715 about limitation of emissions of volatile organic compounds (VOC-guideline)
not applicable

Ingredients according to 2020 No. 1617 (The Detergents (Amendment) (EU Exit) Regulations 2020)
No information.

Special instructions
Observe the regulations on employment and protection against dangerous substances for young people, pregnant women and nursing mothers.

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
No information.

Key literature references and sources for data
No information.

Abbreviations and acronyms
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
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)
GB CLP - Classification Labelling Packaging Regulation; The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020 - 2020 No. 1567
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
LC_{50} - Lethal Concentration to 50 % of a test population
LD_{50} - 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
PEC - Predicted Effect Concentration
PNEC(s) - Predicted No Effect Concentration(s)
PPE - Personal Protection Equipment
(Q)SAR - Qualitative Structure Activity Relationship
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
UK REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals - The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 - 2020 No. 1577

UN - United Nations
vPvB - Very Persistent and Very Bioaccumulative

List of relevant H phrases

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