

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

K & D 310ml, weiß, grau, schwarz
Article number: 94530,94630,94730

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

Adhesive / Sealant

1.2.2 Uses advised against

None known.

1.3 Details of the supplier of the safety data sheet

Company PETEC Verbindungstechnik GmbH
 Wüstenbuch 26
 96132 Schlüsselfeld / GERMANY
 Phone +49 (0) 9555 80994-0
 Fax +49 (0) 9555-80994-25
 Homepage www.petec.de
 E-mail info@petec.de

Address enquiries to

Technical information info@petec.de

Safety Data Sheet sdb@chemiebuero.de

1.4 Emergency telephone number

Advisory body +49 (0)89-19240 (24h) (English)

SECTION 2: Hazards identification
2.1 Classification of the substance or mixture [REGULATION (EC) No 1272/2008]

No classification.

2.2 Label elements

The product is required to be labelled in accordance with regulation (EC) No 1272/2008 (CLP).

Hazard pictograms none

Signal word none

Hazard statements none

Precautionary statements none

Special labelling EUH204 Contains isocyanates. May produce an allergic reaction.
 EUH210 Safety data sheet available on request.

Contains: 4,4'-Methylenediphenyl diisocyanate, Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate. EUH208 May produce an allergic reaction.

2.3 Other hazards

Human health dangers Persons who suffer from hypersensitivity of the respiratory tract (e.g. asthmatics and chronic bronchitis sufferers) should avoid handling this product. Symptoms affecting the respiratory tract can also occur several hours after overexposure. Dust, vapors and aerosols are the primary risk to the respiratory tract.

Other hazards Further hazards were not determined with the current level of knowledge.

SECTION 3: Composition / Information on ingredients**Product-type:**

The product is a mixture.

Range [%]	Substance
20 - 50	Polyvinyl Chloride CAS: 9002-86-2
2 - 5	Xylene, mixture of isomers CAS: 1330-20-7, EINECS/ELINCS: 215-535-7, EU-INDEX: 601-022-00-9, Reg-No.: 01-2119486136-32-XXXX GHS/CLP: Flam. Liq. 3: H226 - Acute Tox. 4: H312 H332 - Skin Irrit. 2: H315 - Asp. Tox. 1: H304
< 5	Titanium dioxide CAS: 13463-67-7, EINECS/ELINCS: 236-675-5, Reg-No.: 01-2119489379-17-XXXX
< 2	Calcium oxide CAS: 1305-78-8, EINECS/ELINCS: 215-138-9, Reg-No.: 01-2119475325-36-XXXX GHS/CLP: Eye Dam. 1: H318 - STOT SE 3: H335 - Skin Irrit. 2: H315
< 2	C.I. Pigment rot 101 Eisen(III)oxid CAS: 1309-37-1, EINECS/ELINCS: 215-168-2, Reg-No.: 01-2119457614-35-XXXX
< 2	Ethylbenzene CAS: 100-41-4, EINECS/ELINCS: 202-849-4, EU-INDEX: 601-023-00-4, Reg-No.: 01-2119489370-35-XXXX GHS/CLP: Flam. Liq. 2: H225 - Acute Tox. 4: H332 - STOT RE 2: H373 - Asp. Tox. 1: H304 - Aquatic Chronic 3: H412
< 2	Hydrocarbons, C11- C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics EINECS/ELINCS: 926-141-6, Reg-No.: 01-2119456620-43 GHS/CLP: Asp. Tox. 1: H304
< 0,5	Calcium dihydroxide CAS: 1305-62-0, EINECS/ELINCS: 215-137-3, Reg-No.: 01-2119475151-45-XXXX GHS/CLP: Eye Dam. 1: H318 - Skin Irrit. 2: H315 - STOT SE 3: H335
< 0,5	Chromium (III) oxide CAS: 1308-38-9, EINECS/ELINCS: 215-160-9, Reg-No.: 01-2119433951-39-XXXX
< 0,1	4,4'-Methylenediphenyl diisocyanate CAS: 101-68-8, EINECS/ELINCS: 202-966-0, EU-INDEX: 615-005-00-9, Reg-No.: 01-2119457014-47-XXXX GHS/CLP: Carc. 2: H351 - Acute Tox. 4: H332 - STOT RE 2: H373 - Eye Irrit. 2: H319 - STOT SE 3: H335 - Skin Irrit. 2: H315 - Resp. Sens. 1: H334 - Skin Sens. 1: H317
< 0,1	Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate EINECS/ELINCS: 915-687-0, Reg-No.: 01-2119491304-40-XXXX GHS/CLP: Skin Sens. 1A: H317 - Aquatic Chronic 1: H410 - Aquatic Acute 1: H400, M = 1

Comment on component parts

Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%.
For full text of H-statements: see SECTION 16.

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

Take off contaminated clothing and wash before reuse.

Inhalation

Ensure supply of fresh air.
In the event of symptoms seek medical treatment.

Skin contact

In case of contact with skin wash off immediately with soap and water.
Consult a doctor if skin irritation persists.

Eye contact

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

Ingestion

Consult a doctor immediately.
Do not induce vomiting.
Rinse out mouth and give plenty of water to drink.

4.2 Most important symptoms and effects, both acute and delayed

Dizziness
Headache
Vertigo
Nausea, vomiting.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.
Forward this sheet to the doctor.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media Foam, dry powder, water spray jet, carbon dioxide.
Extinguishing media that must not be used Full water jet.

5.2 Special hazards arising from the substance or mixture

Risk of formation of toxic pyrolysis products.
Hydrogen cyanide (HCN).
Carbon monoxide (CO)
Nitrogen oxides (NOx).

5.3 Advice for firefighters

Use self-contained breathing apparatus.
Do not inhale explosion and/or combustion gases.
Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Keep away from all sources of ignition.
High risk of slipping due to leakage/spillage of product.
Use personal protective equipment.
Ensure adequate ventilation.

6.2 Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers).
Do not discharge into the drains/surface waters/groundwater.

6.3 Methods and material for containment and cleaning up

Take up with absorbent material (e.g. sand, sawdust).
Dispose of absorbed material in accordance within the regulations.

6.4 Reference to other sections

See SECTION 8+13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Use only in well-ventilated areas.
Keep away from all sources of ignition - Refrain from smoking.
Vapours can form an explosive mixture with air.
Do not eat, drink or smoke when using this product.
Wash face and/or hands before break and end of work.
Contaminated work clothing should not be allowed out of the workplace.
Use barrier skin cream.
Take off contaminated clothing and wash before reuse.

7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container.

Do not store together with oxidizing agents.

Keep away from water.

Keep container tightly closed.

Keep in a well-ventilated place.

Keep in a cool place. Store in a dry place.

7.3 Specific end use(s)

See product use, SECTION 1.2

SECTION 8: Exposure controls / personal protection**8.1 Control parameters****Ingredients with occupational exposure limits to be monitored (GB)**

Substance
Polyvinyl Chloride
CAS: 9002-86-2
Long-term exposure: 10 mg/m ³ , inhalable dust; respirable dust: TWA=4 mg/m ³
Xylene, mixture of isomers
CAS: 1330-20-7, EINECS/ELINCS: 215-535-7, EU-INDEX: 601-022-00-9, Reg-No.: 01-2119486136-32-XXXX
Long-term exposure: 50 ppm, 220 mg/m ³ , Sk, BMGV
Short-term exposure (15-minute): 100 ppm, 441 mg/m ³
Titanium dioxide
CAS: 13463-67-7, EINECS/ELINCS: 236-675-5, Reg-No.: 01-2119489379-17-XXXX
Long-term exposure: 4 mg/m ³ , respirable; total inhalable: TWA=10 mg/m ³
Hydrocarbons, C11- C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics
EINECS/ELINCS: 926-141-6, Reg-No.: 01-2119456620-43
Long-term exposure: 1200 mg/m ³ , OEL
Ethylbenzene
CAS: 100-41-4, EINECS/ELINCS: 202-849-4, EU-INDEX: 601-023-00-4, Reg-No.: 01-2119489370-35-XXXX
Long-term exposure: 100 ppm, 441 mg/m ³ , Sk
Short-term exposure (15-minute): 125 ppm, 552 mg/m ³
Calcium oxide
CAS: 1305-78-8, EINECS/ELINCS: 215-138-9, Reg-No.: 01-2119475325-36-XXXX
Long-term exposure: 2 mg/m ³
Calcium dihydroxide
CAS: 1305-62-0, EINECS/ELINCS: 215-137-3, Reg-No.: 01-2119475151-45-XXXX
Long-term exposure: 5 mg/m ³
4,4'-Methylenediphenyl diisocyanate
CAS: 101-68-8, EINECS/ELINCS: 202-966-0, EU-INDEX: 615-005-00-9, Reg-No.: 01-2119457014-47-XXXX
Long-term exposure: 0,02 mg/m ³ , as NCO, Sen
Short-term exposure (15-minute): 0,07 mg/m ³

Ingredients with occupational exposure limits to be monitored (EU)

Substance / EC LIMIT VALUES
Xylene, mixture of isomers
CAS: 1330-20-7, EINECS/ELINCS: 215-535-7, EU-INDEX: 601-022-00-9, Reg-No.: 01-2119486136-32-XXXX
Eight hours: 50 ppm, 221 mg/m ³ , H
Short-term (15-minute): 100 ppm, 442 mg/m ³
Ethylbenzene
CAS: 100-41-4, EINECS/ELINCS: 202-849-4, EU-INDEX: 601-023-00-4, Reg-No.: 01-2119489370-35-XXXX
Eight hours: 100 ppm, 442 mg/m ³ , H
Short-term (15-minute): 200 ppm, 884 mg/m ³
Calcium oxide
CAS: 1305-78-8, EINECS/ELINCS: 215-138-9, Reg-No.: 01-2119475325-36-XXXX
Eight hours: 1 mg/m ³ , Respirable fraction.
Short-term (15-minute): 4 mg/m ³
Calcium dihydroxide
CAS: 1305-62-0, EINECS/ELINCS: 215-137-3, Reg-No.: 01-2119475151-45-XXXX

Eight hours: 1 mg/m³, Respirable fraction.Short-term (15-minute): 4 mg/m³

DNEL

Substance

Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate

Industrial, dermal, Long-term - systemic effects: 2 mg/kg bw/day.

Industrial, inhalative, Long-term - systemic effects: 3,53 mg/m³.general population, inhalative, Long-term - systemic effects: 0,87 mg/m³.

general population, oral, Long-term - systemic effects: 0,5 mg/kg bw/day.

general population, dermal, Long-term - systemic effects: 1 mg/kg bw/day.

Calcium oxide, CAS: 1305-78-8

Industrial, inhalative (dust), Long-term - local effects: 1 mg/m³.Industrial, inhalative (dust), Acute - local effects: 4 mg/m³.general population, inhalative (dust), Long-term - local effects: 1 mg/m³.general population, inhalative (dust), Acute - local effects: 4 mg/m³.

C.I. Pigment rot 101 Eisen(III)oxid, CAS: 1309-37-1

Industrial, inhalative, Long-term - local effects: 10 mg/m³.

4,4'-Methylenediphenyl diisocyanate, CAS: 101-68-8

Industrial, dermal, Acute - local effects: 28,7 mg/cm².Industrial, inhalative, Acute - local effects: 0,1 mg/m³.Industrial, inhalative, Acute - systemic effects: 0,1 mg/m³.

Industrial, dermal, Acute - systemic effects: 50 mg/kg.

Industrial, inhalative, Long-term - systemic effects: 0,05 mg/m³.Industrial, inhalative, Long-term - local effects: 0,05 mg/m³.

Titanium dioxide, CAS: 13463-67-7

Industrial, inhalative (dust), Long-term - local effects: 10 mg/m³.

general population, oral, Long-term - systemic effects: 700 mg/kg/day.

Ethylbenzene, CAS: 100-41-4

Industrial, dermal, Long-term - systemic effects: 180 mg/kg bw/d.

Industrial, inhalative (vapor), Long-term - systemic effects: 77 mg/m³.Industrial, inhalative (vapor), Acute - local effects: 293 mg/m³.

general population, oral, Long-term - systemic effects: 1,6 mg/kg bw/day.

general population, inhalative (vapor), Long-term - systemic effects: 15 mg/m³.

Xylene, mixture of isomers, CAS: 1330-20-7

Industrial, inhalative, Long-term - systemic effects: 77 mg/m³.Industrial, inhalative, Acute - systemic effects: 289 mg/m³.Industrial, inhalative, Acute - local effects: 289 mg/m³.

Industrial, dermal, Long-term - systemic effects: 180 mg/kg bw/day.

general population, dermal, Long-term - systemic effects: 108 mg/kg bw/day.

general population, oral, Long-term - systemic effects: 1,6 mg/kg bw/day.

general population, inhalative, Long-term - systemic effects: 14,8 mg/m³.

PNEC

Substance

Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate

sediment (freshwater), 1,05 mg/kg.

seawater, 0 mg/l.

sediment (seawater), 0,11 mg/kg.

sewage treatment plants (STP), 1 mg/l.
soil, 0,21 mg/kg.
freshwater, 0,002 mg/l.
Calcium oxide, CAS: 1305-78-8
seawater, 0,24 mg/L.
sewage treatment plants (STP), 817,4 mg/kg soil dw.
sewage treatment plants (STP), 2,27 mg/L.
freshwater, 0,37 mg/L.
Calcium dihydroxide, CAS: 1305-62-0
soil, 1080 mg/l.
freshwater, 490 µg/l.
4,4'-Methylenediphenyl diisocyanate, CAS: 101-68-8
sewage treatment plants (STP), > 1 mg/l.
seawater, > 0,1 mg/l.
freshwater, > 1 mg/l.
soil, > 1 mg/kg.
Titanium dioxide, CAS: 13463-67-7
soil, 100 mg/kg.
oral (food), 1667 mg/kg.
sediment (freshwater), 1000 mg/kg.
sewage treatment plants (STP), 100 mg/l.
seawater, 1 mg/l.
sediment (seawater), 100 mg/kg.
freshwater, 0,127 mg/l.
Ethylbenzene, CAS: 100-41-4
sediment (freshwater), 13,7 mg/kg dw.
freshwater, 0,1 mg/l (Ass.factor 10).
sewage treatment plants (STP), 9,6 mg/l (Ass.factor 10).
sediment (seawater), 1,37 mg/kg dw.
soil, 2,68 mg/kg dw.
oral (food), 0,02 g/kg food.
seawater, 0,01 mg/l (Ass.factor 10).
Xylene, mixture of isomers, CAS: 1330-20-7
freshwater, 0,327 mg/l.
seawater, 0,327 mg/l.
sewage treatment plants (STP), 6,58 mg/l.
sediment (freshwater), 12,46 mg/kg sediment dw.
sediment (seawater), 12,46 mg/kg sediment dw.
soil, 2,31 mg/kg soil dw.

8.2 Exposure controls

Additional advice on system design	Ensure adequate ventilation on workstation. Measurement methods for taking workplace measurements must meet the performance requirements of DIN EN 482. For example, recommendations are given in the IFA's list of hazardous substances.
Eye protection	Safety glasses. (EN 166:2001)
Hand protection	The details concerned are recommendations. Please contact the glove supplier for further information. > 0,5mm; Butyl rubber, >240 min (EN 374-1/-2/-3). > 0,5mm; PVA, >480 min (EN 374-1/-2/-3).
Skin protection	Solvent-resistant protective clothing (EN 340)
Other	Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of this equipment to chemicals should be ascertained with the respective supplier. Avoid contact with eyes and skin. Do not inhale vapours.
Respiratory protection	Respiratory protection mask in the event of high concentrations. Short term: filter apparatus, filter AB. (DIN EN 14387)
Thermal hazards	not applicable
Delimitation and monitoring of the environmental exposition	Comply with applicable environmental regulations limiting discharge to air, water and soil.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form	pasty
Color	various
Odor	characteristic
Odour threshold	No information available.
pH-value	not applicable
pH-value [1%]	No information available.
Boiling point [°C]	137
Flash point [°C]	40 - 55 (closed cup)
Flammability (solid, gas) [°C]	not flammable
Lower explosion limit	0,6 Vol. %
Upper explosion limit	8 Vol. %
Oxidising properties	no
Vapour pressure/gas pressure [kPa]	No information available.
Density [g/ml]	1,16 (20 °C / 68,0 °F)
Bulk density [kg/m³]	not applicable
Solubility in water	reacts with water immiscible
Partition coefficient [n-octanol/water]	No information available.
Viscosity	No information available.
Relative vapour density determined in air	No information available.
Evaporation speed	No information available.
Melting point [°C]	No information available.
Autoignition temperature [°C]	> 200
Decomposition temperature [°C]	No information available.

9.2 Other information

none

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reactions known if used as directed.

10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

10.3 Possibility of hazardous reactions

Evolution of flammable mixtures possible in air when heated above flash point and/or during spraying or misting.

Reactions with alcohols, amines, aqueous acids and alkalies.

Reactions with water, with formation of carbon dioxide.

In closed containers rise of pressure.

10.4 Conditions to avoid

See SECTION 7.2.

10.5 Incompatible materials

See SECTION 10.3.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information**11.1 Information on toxicological effects****Acute toxicity**

Product
inhalative, Based on the available information, the classification criteria are not fulfilled.:
dermal, Based on the available information, the classification criteria are not fulfilled.:
oral, Based on the available information, the classification criteria are not fulfilled.:
Substance
Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate
LD50, oral, Rat: 3230 mg/kg.
Calcium oxide, CAS: 1305-78-8
LD50, oral, Rat: > 2000 mg/kg (OECD 425).
Calcium dihydroxide, CAS: 1305-62-0
LD50, oral, Rat: > 2000 mg/kg (OECD 425).
LD50, dermal, Rabbit: > 2500 mg/kg (OECD 402).
C.I. Pigment rot 101 Eisen(III)oxid, CAS: 1309-37-1
LD50, oral, Rat: >5000 mg/kg bw (EU Method B.1).
LC50, inhalative, Rat: 5.05 mg/l air (OECD 403).
4,4'-Methylenediphenyl diisocyanate, CAS: 101-68-8
inhalative, Conversion value: 1,5 mg/l/4h (Dust/mist).
LD50, oral, Rat: > 2000 mg/kg.
LD50, dermal, Rabbit: > 9400 mg/kg (OECD 402).
LC50, inhalative, Rat: 0,368 mg/l/4h (OECD 403).
LC50, inhalative, Rat: > 2,24 mg/l/1h (OECD 403).
LC50, inhalativ (mist), Rat: 0,49 mg/l/4h.
Titanium dioxide, CAS: 13463-67-7
LD50, dermal, Rabbit: > 5000 mg/kg.
LD50, oral, Rat: > 5000 mg/kg OECD 425.
LC50, inhalativ (dust), Rat: > 6,8 mg/l 4h.
Ethylbenzene, CAS: 100-41-4
LD50, oral, Rat: 3500 mg/kg.
LD50, dermal, Rabbit: 17800 mg/kg.
LC50, inhalative, Rat: 17,2 mg/l (4 h).
Xylene, mixture of isomers, CAS: 1330-20-7
LD50, oral, Rat: >2000 - 5000 mg/kg bw.
LC50, inhalation (vapour), Rat: 11 mg/L (4h).
Hydrocarbons, C11- C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics
LD50, oral, Rat: > 5000 mg/kg bw.
LD50, dermal, Rabbit: > 5000 mg/kg bw.

Serious eye damage/irritation	OECD 405: Non-irritant (rabbit). On basis of test data
Skin corrosion/irritation	Slight irritant effect - does not require labelling. Based on the available information, the classification criteria are not fulfilled.
Respiratory or skin sensitisation	May produce an allergic reaction. Calculation method
Specific target organ toxicity — single exposure	Based on the available information, the classification criteria are not fulfilled.
Specific target organ toxicity — repeated exposure	Based on the available information, the classification criteria are not fulfilled.

repeated exposure

Mutagenicity Based on the available information, the classification criteria are not fulfilled.

Reproduction toxicity Based on the available information, the classification criteria are not fulfilled.

Carcinogenicity Based on the available information, the classification criteria are not fulfilled.

Aspiration hazard Based on the available information, the classification criteria are not fulfilled.

General remarks

The toxicity data listed pertaining to the ingredients are intended for those working in the medicinal professions, experts for occupational health and safety and toxicologists.

SECTION 12: Ecological information**12.1 Toxicity**

Substance
Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate
LC50, (96h), <i>Lepomis macrochirus</i> : 0,97 mg/l OECD 203.
EC50, (24h), <i>Daphnia magna</i> : 20 mg/l OECD 202.
NOEC, (21d), <i>Daphnia magna</i> : 1 mg/l OECD 211.
Calcium dihydroxide, CAS: 1305-62-0
LC50, (96h), fish: 457 mg/l.
LC50, (96h), fish: 50.6 mg/l.
EC50, (72h), Algae: 184.57 mg/l.
EC50, (48h), <i>Daphnia magna</i> : 49.1 mg/l.
EC50, (48h), <i>Daphnia magna</i> : 158 mg/l.
NOEC, (72h), Algae: 48 mg/l.
C.I. Pigment rot 101 Eisen(III)oxid, CAS: 1309-37-1
EL50, (48h), <i>Daphnia magna</i> : > 100 mg/l.
LC0, (96h), <i>Danio rerio</i> : > 50000 mg/l.
4,4'-Methylenediphenyl diisocyanate, CAS: 101-68-8
LC50, (96h), <i>Danio rerio</i> : > 1000 mg/l (OECD 203).
ErC50, (72h), <i>Scenedesmus subspicatus</i> : > 1640 mg/l (OECD 201).
Titanium dioxide, CAS: 13463-67-7
LC50, (96h), <i>Pimephales promelas</i> : > 1000 mg/l.
LC50, (48h), <i>Daphnia magna</i> : > 100 mg/l.
EC50, (72h), <i>Pseudokirchneriella subcapitata</i> : 16 mg/l.
Ethylbenzene, CAS: 100-41-4
LC50, (96h), <i>Carassius auratus</i> : 94,44 mg/l.
LC50, (96h), <i>Oncorhynchus mykiss</i> : 4,2 mg/l.
LC50, (96h), <i>Pimephales promelas</i> : 12,1 mg/l.
EC50, (48h), <i>Daphnia magna</i> : 1,8 - 2,9 mg/l.
IC50, (72h), <i>Selenastrum capricornutum</i> : 4,6 mg/l.
Xylene, mixture of isomers, CAS: 1330-20-7
LC50, (96h), <i>Pimephales promelas</i> : 26,07 mg/L.
EC50, (48h), <i>Daphnia magna</i> : 1 mg/L.
IC50, (72h), Algae: 2,2 mg/L.
Hydrocarbons, C11- C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics
EL50, <i>Daphnia magna</i> : > 100 mg/l.
LL50, Algae: > 100 mg/l.
LL50, fish: > 100 mg/l.

12.2 Persistence and degradability

Behaviour in environment compartments	not determined
Behaviour in sewage plant	not determined
Biological degradability	not determined

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

not applicable

12.6 Other adverse effects

Ecological data of complete product are not available.

Do not discharge product unmonitored into the environment or into the drainage.

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

Waste material c It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

Product

Disposal in an incineration plant in accordance with the regulations of the local authorities.
Dispose of as hazardous waste.

Waste no. (recommended)

080409*
080501*

Contaminated packaging

Uncontaminated packaging may be reused.
Packaging that cannot be cleaned should be disposed of as for product.

Waste no. (recommended)

150110*
150102

SECTION 14: Transport information**14.1 UN number**

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

14.2 UN proper shipping name

Transport by land according to ADR/RID NO DANGEROUS GOODS

Inland navigation (ADN) NO DANGEROUS GOODS

Marine transport in accordance with IMDG NOT CLASSIFIED AS "DANGEROUS GOODS"

Air transport in accordance with IATA NOT CLASSIFIED AS "DANGEROUS GOODS"

14.3 Transport hazard class(es)

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

14.4 Packing group

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

14.5 Environmental hazards

Transport by land according to ADR/RID no

Inland navigation (ADN) no

Marine transport in accordance with IMDG no

Air transport in accordance with IATA no

14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

not applicable

SECTION 15: Regulatory information

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

EEC-REGULATIONS	1991/689 (2001/118); 2010/75; 2004/42; 648/2004; 1907/2006 (REACH); 1272/2008; 75/324/EEC (2016/2037/EC); (EU) 2015/830; (EU) 2016/131; (EU) 517/2014
TRANSPORT-REGULATIONS	DOT-Classification, ADR (2017); IMDG-Code (2017, 38. Amdt.); IATA-DGR (2018).
NATIONAL REGULATIONS (GB):	EH40/2005 Workplace exposure limits (Second edition, published December 2011).
- Observe employment restrictions for people	not applicable
- VOC (2010/75/CE)	< 9 %

15.2 Chemical safety assessment

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

SECTION 16: Other information

16.1 Hazard statements (SECTION 03)

H400 Very toxic to aquatic life.
 H410 Very toxic to aquatic life with long lasting effects.
 H317 May cause an allergic skin reaction.
 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
 H319 Causes serious eye irritation.
 H373 May cause damage to organs through prolonged or repeated exposure.
 H351 Suspected of causing cancer.
 H335 May cause respiratory irritation.
 H318 Causes serious eye damage.
 H412 Harmful to aquatic life with long lasting effects.
 H373 May cause damage to hearing organs through prolonged or repeated exposure.
 H332 Harmful if inhaled.
 H225 Highly flammable liquid and vapour.

 H304 May be fatal if swallowed and enters airways.
 H315 Causes skin irritation.
 H312+H332 Harmful in contact with skin or if inhaled.
 H226 Flammable liquid and vapour.

16.2 Abbreviations and acronyms:

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route
 RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses
 ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
 ATE = acute toxicity estimate
 CAS = Chemical Abstracts Service
 CLP = Classification, Labelling and Packaging
 DMEL = Derived Minimum Effect Level
 DNEL = Derived No Effect Level
 EC50 = Median effective concentration
 ECB = European Chemicals Bureau
 EEC = European Economic Community
 EINECS = European Inventory of Existing Commercial Chemical Substances
 ELINCS = European List of Notified Chemical Substances
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals
 IATA = International Air Transport Association
 IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
 IC50 = Inhibition concentration, 50%
 IMDG = International Maritime Code for Dangerous Goods
 IUCLID = International Uniform Chemical Information Database
 LC50 = Lethal concentration, 50%
 LD50 = Median lethal dose
 LC0 = lethal concentration, 0%
 LOAEL = lowest-observed-adverse-effect level
 MARPOL = International Convention for the Prevention of Marine Pollution from Ships
 NOAEL = No Observed Adverse Effect Level
 NOEC = No Observed Effect Concentration
 PBT = Persistent, Bioaccumulative and Toxic substance
 PNEC = Predicted No-Effect Concentration
 REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
 STP = Sewage Treatment Plant
 TLV®/TWA = Threshold limit value – time-weighted average
 TLV®STEL = Threshold limit value – short-time exposure limit
 VOC = Volatile Organic Compounds
 vPvB = very Persistent and very Bioaccumulative

16.3 Other information**Customs Tariff**

not determined

Classification procedure**Modified position**

SECTION 15 been added: EUH210 Safety data sheet available on request.

SECTION 15 been added: EUH208 May produce an allergic reaction.

SECTION 2 deleted: Skin Sens. 1

SECTION 2 deleted: H317 May cause an allergic skin reaction.

SECTION 2 deleted: Resp. Sens. 1

SECTION 2 deleted: H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

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