

CELO Befestigungssysteme GmbH
86551 Aichach

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Version 3.0

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

1.1 Product identifier

Bonded anchor VA

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

1.2.1 Relevant uses

composite anchor cartridge

1.2.2 Uses advised against

None known.

1.3 Details of the supplier of the safety data sheet

Company

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86551 Aichach / GERMANY
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Address enquiries to

Technical information

info@celofixings.de

Safety Data Sheet

sdb@chemiebuero.de (No dispatch of safety data sheets)

Safety data sheets are available from the supplier.

1.4 Emergency telephone number

Advisory body

+49 (0)89-19240 (24h) (german and english)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture [REGULATION (EC) No 1272/2008]

Skin Sens. 1: H317 May cause an allergic skin reaction.
Aquatic Chronic 2: H411 Toxic to aquatic life with long lasting effects.

2.2 Label elements

The product is required to be labelled in accordance with regulation CLP.

Hazard pictograms



Signal word

WARNING

Contains:

Ethylene dimethacrylate

Methacrylic acid, monoester with Propan-1,2-diole

Hazard statements

H317 May cause an allergic skin reaction.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P264 Wash hands thoroughly after handling.
P273 Avoid release to the environment.
P280 Wear protective gloves.
P302+P352 IF ON SKIN: Wash with plenty of water / soap.
P501 Dispose of contents/container in accordance with local/national regulation.

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2.3 Other hazards

Human health dangers	<p>People who are allergic to peroxide should avoid the use of the product. May cause irritation of eye and skin. The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.</p>
Environmental hazards	<p>This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.</p>
Other hazards	<p>Further hazards were not determined with the current level of knowledge.</p>

SECTION 3: Composition / Information on ingredients

3.1 Substances

not applicable

3.2 Mixtures

The product is a mixture.

Range [%]	Substance
1 - < 10	<p>Methacrylic acid, monoester with Propan-1,2-diole CAS: 27813-02-1, EINECS/ELINCS: 248-666-3 GHS/CLP: Eye Irrit. 2: H319 - Skin Sens. 1: H317</p>
1 - < 10	<p>Ethylene dimethacrylate CAS: 97-90-5, EINECS/ELINCS: 202-617-2, EU-INDEX: 607-114-00-5, Reg-No.: 01-2119965172-38-XXXX GHS/CLP: STOT SE 3: H335 - Skin Sens. 1: H317 - Aquatic Chronic 3: H412 SCL [%]: >= 10: STOT SE 3: H335</p>
< 1	<p>1-isopropyl-2,2-dimethyltrimethylene diisobutyrate CAS: 6846-50-0, EINECS/ELINCS: 229-934-9, Reg-No.: 01-2119451093-47-XXXX GHS/CLP: Repr. 2: H361fd - Aquatic Chronic 3: H412</p>
< 1	<p>Dibenzoyl peroxide CAS: 94-36-0, EINECS/ELINCS: 202-327-6, EU-INDEX: 617-008-00-0, Reg-No.: 01-2119511472-50-XXXX GHS/CLP: Org. Perox. B: H241 - Skin Sens. 1: H317 - Eye Irrit. 2: H319 - Aquatic Acute 1: H400 - Aquatic Chronic 1: H410, M-Factor (acute): 10, M-Factor (chronic): 10</p>
< 1	<p>Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and Ethanol 2-[[2-(2-hydroxyethoxy)ethyl]-(4-methylphenyl)amino]- EINECS/ELINCS: 911-490-9, Reg-No.: 01-2119979579-10-XXXX GHS/CLP: Acute Tox. 4: H302 - Skin Irrit. 2: H315 - Skin Sens. 1: H317 - Eye Dam. 1: H318 - Aquatic Chronic 3: H412</p>

Comment on component parts

For full text of H-statements: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information	Change soaked clothing.
Inhalation	Ensure supply of fresh air.
Skin contact	When in contact with the skin, clean 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	Rinse out mouth and give plenty of water to drink. Do not induce vomiting. Consult a doctor immediately.

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4.2 Most important symptoms and effects, both acute and delayed

Allergic reactions

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.
Forward this sheet to your 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, carbon monoxide (CO), not combusted hydrocarbons

5.3 Advice for firefighters

Use self-contained breathing apparatus.
Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.
Collect contaminated firefighting water separately, must not be discharged into the drains.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment (protective gloves).
Ensure adequate ventilation.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater.
In case the product spills into drains/surface waters/groundwater, immediately inform the authorities.

6.3 Methods and material for containment and cleaning up

Pick up with absorbent material (e.g. sand, universal absorbent, diatomaceous earth).
Dispose of absorbed material in accordance with the regulations.

6.4 Reference to other sections

See SECTION 8

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with eyes and skin.
The product is combustible.
Do not eat, drink or smoke when using this product.
Wash hands before breaks and after work.
Use barrier skin cream.

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7.2 Conditions for safe storage, including any incompatibilities

Provide solvent-resistant and impermeable floor.

Do not store together with food and animal food/diet.

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

Protect from heat/overheating and from sun.

Recommended storage temperature: 5-25 °C (41-77 °F).

storage class (TRGS 510)

Storage class 10 - 13 (VCI)

7.3 Specific end use(s)

See product use, SECTION 1.2

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SECTION 8: Exposure controls / personal protection

8.1 Control parameters

Ingredients with occupational exposure limits to be monitored DE (TRGS 900)

Substance
Dibenzoyl peroxide
CAS: 94-36-0, EINECS/ELINCS: 202-327-6, EU-INDEX: 617-008-00-0, Reg-No.: 01-2119511472-50-XXXX
Exposure limit: 5 mg/m ³ , E, DFG
Factor: 1(l)
Amorphus Silica
CAS: 112945-52-5, EINECS/ELINCS: 231-545-4
Exposure limit: 4 mg/m ³ , E, Y, DFG, 2

Ingredients with occupational exposure limits to be monitored EU (2004/37/EG)

not relevant

DNEL

Substance
Dibenzoyl peroxide, CAS: 94-36-0
Industrial, dermal, Long-term - systemic effects, 13,3 mg/kg bw/day
Industrial, inhalative, Long-term - systemic effects, 39 mg/m ³
Industrial, dermal, Long-term - local effects, 34 µg/cm ²
general population, inhalative, Long-term - systemic effects, 2,9 mg/m ³
general population, oral, Long-term - systemic effects, 2 mg/kg bw/day
Ethylene dimethacrylate, CAS: 97-90-5
Industrial, inhalative, Long-term - systemic effects, 2,45 mg/m ³
Industrial, dermal, Long-term - systemic effects, 1,3 mg/kg bw/d
general population, inhalative, Long-term - systemic effects, 1,45 mg/m ³
general population, dermal, Long-term - systemic effects, 0,83 mg/kg bw/day
general population, oral, Long-term - systemic effects, 0,83 mg/kg bw/day
1-isopropyl-2,2-dimethyltrimethylene diisobutyrate, CAS: 6846-50-0
Industrial, inhalative, Long-term - systemic effects, 17,62 mg/m ³
Industrial, dermal, Long-term - systemic effects, 5 mg/kg bw/day
general population, dermal, Long-term - systemic effects, 5 mg/kg bw/day
general population, oral, Long-term - systemic effects, 5 mg/kg bw/day
general population, inhalative, Long-term - systemic effects, 4,35 mg/m ³
Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and Ethanol 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]-
Industrial, inhalative, Long-term - systemic effects, 9,8 mg/m ³
Industrial, dermal, Long-term - systemic effects, 1,4 mg/kg bw/day
general population, inhalative, Long-term - systemic effects, 2,9 mg/m ³
general population, dermal, Long-term - systemic effects, 830 µg/kg bw/day
general population, oral, Long-term - systemic effects, 830 µg/kg bw/day

PNEC

Substance
Dibenzoyl peroxide, CAS: 94-36-0
freshwater, 0,02 ug/L
sewage treatment plants (STP), 0,35 mg/l
sediment (freshwater), 0,013 mg/kg

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sediment (seawater), 0,001 mg/kg
soil, 0,003 mg/kg soil dw
seawater, 0,002 ug/L
Ethylene dimethacrylate, CAS: 97-90-5
soil, 239 µg/kg dw
freshwater, 139 µg/l
seawater, 13,9 µg/l
sewage treatment plants (STP), 57 mg/l
sediment (freshwater), 1,6 mg/kg dw
sediment (seawater), 0,16 mg/kg dw
1-isopropyl-2,2-dimethyltrimethylene diisobutyrate, CAS: 6846-50-0
oral (food), 83,3 mg/kg food
freshwater, 0,014 mg/l
seawater, 0,0014 mg/l
sewage treatment plants (STP), 3 mg/l
sediment (freshwater), 5,29 mg/kg sediment dw
soil, 1,05 mg/kg soil dw
sediment (seawater), 529 µg/kg sediment dw
Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and Ethanol 2-[[2-(2-hydroxyethoxy)ethyl]-(4-methylphenyl)amino]-
freshwater, 48 µg/L
seawater, 4,8 µg/L
sewage treatment plants (STP), 10 mg/L
sediment (freshwater), 1,2 mg/kg sediment dw
sediment (seawater), 120 µg/kg sediment dw
soil, 210 µg/kg soil dw

8.2 Exposure controls

Additional advice on system design	Ensure adequate ventilation on workstation.
Eye protection	Safety glasses. (EN 166:2001)
Hand protection	0,7 mm; Butyl rubber, >480 min (EN 374-1/-2/-3). The details concerned are recommendations. Please contact the glove supplier for further information.
Skin protection	Protective clothing (EN 340)
Other	Avoid contact with eyes and skin. 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.
Respiratory protection	If workplace limit values are exceeded or if there is insufficient ventilation: Short term: filter apparatus, combination filter A-P1. (DIN EN 14387)
Thermal hazards	No information available.
Delimitation and monitoring of the environmental exposition	Protect the environment by applying appropriate control measures to prevent or limit emissions.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	liquid
Form	suspension
Color	yellowish
Odor	characteristic
Odour threshold	not determined
pH-value	not determined
pH-value [1%]	not determined
Boiling point or initial boiling point and boiling range [°C]	240
Flash point [°C]	110
Flammability	not applicable
Lower explosion limit	not determined
Upper explosion limit	not determined
Oxidising properties	no
Vapour pressure/gas pressure [kPa]	0,01
Density [g/cm ³]	1,1 - 1,2 (20 °C / 68,0 °F)
Relative density	not determined
Bulk density [kg/m ³]	not applicable
Solubility in water	insoluble
Solubility other solvents	No information available.
Partition coefficient n-octanol/water (log value)	not determined
Kinematic viscosity	not determined
Relative vapour density	not determined
Evaporation speed	not determined
Melting point [°C]	not determined
Auto-ignition temperature [°C]	not determined
Decomposition temperature [°C]	55
Particle characteristics	No information available.

9.2 Other information

none

SECTION 10: Stability and reactivity

10.1 Reactivity

See SECTION 10.3.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known.

10.4 Conditions to avoid

Strong heating.

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10.5 Incompatible materials

Strong oxidizing agent.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

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SECTION 11: Toxicological information

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

Acute oral toxicity

Product
ATE-mix, oral, > 2000 mg/kg
Substance
Methacrylic acid, monoester with Propan-1,2-diole, CAS: 27813-02-1
LD50, oral, Rat, > 4000 mg/kg (IUCLID)
Dibenzoyl peroxide, CAS: 94-36-0
LD50, oral, Rat, >= 5000 mg/kg
Ethylene dimethacrylate, CAS: 97-90-5
LD50, oral, Rat, 8300 mL/kg bw
1-isopropyl-2,2-dimethyltrimethylene diisobutyrate, CAS: 6846-50-0
LD50, oral, Rat, > 3200 mg/kg
Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and Ethanol 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]-
LD50, oral, Rat, 619 mg/kg bw

Acute dermal toxicity

Product
dermal, Based on the available information, the classification criteria are not fulfilled.
Substance
Methacrylic acid, monoester with Propan-1,2-diole, CAS: 27813-02-1
LD50, dermal, Rabbit, > 5000 mg/kg (IUCLID)
Ethylene dimethacrylate, CAS: 97-90-5
LD50, dermal, Rat, > 2000 mg/kg bw
1-isopropyl-2,2-dimethyltrimethylene diisobutyrate, CAS: 6846-50-0
LD50, dermal, Rabbit, 18900 mg/kg
Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and Ethanol 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]-
LD50, dermal, Rat, >2000 mg/kg bw

Acute inhalational toxicity

Product
inhalative, Based on the available information, the classification criteria are not fulfilled.
Substance
Dibenzoyl peroxide, CAS: 94-36-0
LC0, inhalative, Rat, 24,3 mg/L air (4h)
1-isopropyl-2,2-dimethyltrimethylene diisobutyrate, CAS: 6846-50-0
LC50, inhalative, Rat, 5,3 mg/l/6h

Serious eye damage/irritation

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

Substance
Methacrylic acid, monoester with Propan-1,2-diole, CAS: 27813-02-1
Eye, Rabbit, irritant

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Dibenzoyl peroxide, CAS: 94-36-0
Eye, Rabbit, In vivo study, irritant
Ethylene dimethacrylate, CAS: 97-90-5
Eye, Rabbit, In vivo study, non-irritating
1-isopropyl-2,2-dimethyltrimethylene diisobutyrate, CAS: 6846-50-0
Eye, Rabbit, OECD 405, non-irritating
Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and Ethanol 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]-
Eye, Rabbit, OECD 405, corrosive

Skin corrosion/irritation

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

Substance
Methacrylic acid, monoester with Propan-1,2-diole, CAS: 27813-02-1
dermal, Rabbit, non-irritating
Dibenzoyl peroxide, CAS: 94-36-0
dermal, Rabbit, OECD 404, non-irritating
Ethylene dimethacrylate, CAS: 97-90-5
dermal, Rabbit, In vivo study, non-irritating
1-isopropyl-2,2-dimethyltrimethylene diisobutyrate, CAS: 6846-50-0
dermal, Rabbit, OECD 404, non-irritating
Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and Ethanol 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]-
dermal, in vitro, OECD 439, irritant

Respiratory or skin sensitisation

May cause an allergic skin reaction.

Based on the available information, the classification criteria are fulfilled.

Calculation method

Substance
Methacrylic acid, monoester with Propan-1,2-diole, CAS: 27813-02-1
dermal, Human, sensitising
Dibenzoyl peroxide, CAS: 94-36-0
dermal, mouse, OECD 429, sensitising
Ethylene dimethacrylate, CAS: 97-90-5
dermal, mouse, OECD 406, sensitising
1-isopropyl-2,2-dimethyltrimethylene diisobutyrate, CAS: 6846-50-0
dermal, Human, In vivo study, non-sensitising
Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and Ethanol 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]-
dermal, OECD 429, sensitising

Specific target organ toxicity — single exposure

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

Substance
Ethylene dimethacrylate, CAS: 97-90-5
positive
1-isopropyl-2,2-dimethyltrimethylene diisobutyrate, CAS: 6846-50-0
inhalative, non-irritating

Specific target organ toxicity — repeated exposure

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

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Substance
Dibenzoyl peroxide, CAS: 94-36-0
NOAEL, dermal, mouse, 833 mg/kg bw/day, In vivo study, no adverse effect observed
NOAEL, oral, Rat, 200 mg/kg bw/day, In vivo study, adverse effect observed
Ethylene dimethacrylate, CAS: 97-90-5
NOAEL, oral, Rat, 100 mg/kg bw/day, OECD 422, negativ
1-isopropyl-2,2-dimethyltrimethylene diisobutyrate, CAS: 6846-50-0
NOAEL, oral, Rat, 150 mg/kg bw/day, In vivo study, no adverse effect observed
Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and Ethanol 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]-
NOAEL, oral, Rat, 100 mg/kg bw/day, OECD 407, adverse effect observed

Mutagenicity

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

Substance
Methacrylic acid, monoester with Propan-1,2-diole, CAS: 27813-02-1
Cell culture, OECD 474, negativ
Ethylene dimethacrylate, CAS: 97-90-5
OECD 471, negativ
1-isopropyl-2,2-dimethyltrimethylene diisobutyrate, CAS: 6846-50-0
in vitro, OECD 476, negativ
Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and Ethanol 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]-
in vitro, OECD 476, adverse effect observed
in vivo, OECD 471, no adverse effect observed

Reproduction toxicity

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

- Fertility

Substance
Dibenzoyl peroxide, CAS: 94-36-0
Based on the available information, the classification criteria are not fulfilled., OECD 414
Ethylene dimethacrylate, CAS: 97-90-5
NOAEL, parenteral, Rat, 100 mg/kg bw/day, OECD 422, negativ
Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and Ethanol 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]-
NOAEL, oral, Rat, 600 mg/kg bw/day, OECD 414, no adverse effect observed

- Development

Substance
Dibenzoyl peroxide, CAS: 94-36-0
Based on the available information, the classification criteria are not fulfilled., OECD 414
Ethylene dimethacrylate, CAS: 97-90-5
NOAEL, parenteral, Rat, 100 mg/kg bw/day, OECD 422, negativ
1-isopropyl-2,2-dimethyltrimethylene diisobutyrate, CAS: 6846-50-0
NOAEL, oral, Rabbit, 300 mg/kg bw/day, OECD 414, no adverse effect observed
Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and Ethanol 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]-
NOAEL, oral, Rat, 600 mg/kg bw/day, OECD 414, no adverse effect observed

Carcinogenicity

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

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Substance
Dibenzoyl peroxide, CAS: 94-36-0
dermal, Rat, OECD 451, no adverse effect observed
oral, Rat, In vivo study, no adverse effect observed
Ethylene dimethacrylate, CAS: 97-90-5
NOAEL, oral, mouse, 1500 mg/kg bw/day, In vivo study, negativ

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

General remarks

Toxicological data of complete product are not available.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties Contains no ingredients with endocrine-disrupting properties.

11.2.2 Other information none

SECTION 12: Ecological information

12.1 Toxicity

Substance
Methacrylic acid, monoester with Propan-1,2-diole, CAS: 27813-02-1
LC50, (48h), Leuciscus idus, 493 mg/L (IUCLID)
EC10, (16h), Pseudomonas putida, 1140 mg/l (IUCLID)
Dibenzoyl peroxide, CAS: 94-36-0
LC50, (96h), fish, 1,7-2,4 mg/l (OECD 203)
LC50, (96h), Oncorhynchus mykiss, 0,0602 mg/l (OECD 203)
EC50, (72h), Pseudokirchneriella subcapitata, 0,0711 mg/l (OECD 201)
EC50, (48h), Daphnia magna, 0,11 mg/l (OECD 202)
EC50, (48h), Daphnia magna, 2,91 mg/l (OECD 202)
NOEC, (48h), Daphnia magna, 1,99 mg/l
Ethylene dimethacrylate, CAS: 97-90-5
LC50, (96h), Danio rerio, 15,95 mg/l (OECD 203)
EC50, (72h), Algae, 17,3 mg/l
EC50, (48h), Daphnia magna, 44,9 mg/l
1-isopropyl-2,2-dimethyltrimethylene diisobutyrate, CAS: 6846-50-0
LC50, (96h), Pimephales promelas, 1,55 mg/l
EC50, (48h), Daphnia magna, 1,46 mg/l
EC50, (72h), Algae, 7,49 mg/L
Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and Ethanol 2-[[2-(2-hydroxyethoxy)ethyl][(4-methylphenyl)amino]-
LC50, (96h), fish, 100 mg/L
EC50, (72h), Algae, 100 mg/L
EC50, (48h), Invertebrates, 48 mg/L

12.2 Persistence and degradability

Behaviour in environment compartments No information available.

Behaviour in sewage plant No information available.

Biological degradability No information available.

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12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

Spillages may penetrate the soil causing ground water contamination.

12.5 Results of PBT and vPvB assessment

Based on all available information not to be classified as PBT or vPvB respectively.

12.6 Endocrine disrupting properties

Contains no ingredients with endocrine-disrupting properties.

12.7 Other adverse effects

Do not discharge product unmonitored into the environment.
Ecological data of complete product are not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. 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

Dispose of as hazardous waste.
Coordinate disposal with the disposal contractor/authorities if necessary.

Waste no. (recommended)

080409*

Contaminated packaging

Packaging that cannot be cleaned should be disposed of as for product.

Waste no. (recommended)

150110* packaging containing residues of or contaminated by hazardous substances
150102

SECTION 14: Transport information

14.1 UN number or ID number

Transport by land according to ADR/RID 3082

Inland navigation (ADN) 3082

Marine transport in accordance with IMDG 3082

Air transport in accordance with IATA 3082

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14.2 UN proper shipping name

Transport by land according to ADR/RID Environmentally hazardous substance, liquid, n.o.s. (Dibenzoyl peroxide)

- Classification Code

M6

- Label



- ADR LQ

5 I

- ADR 1.1.3.6 (8.6)

Transport category (tunnel restriction code) 3 (-)

Inland navigation (ADN)

Environmentally hazardous substance, liquid, n.o.s. (Dibenzoyl peroxide)

- Classification Code

M6

- Label



Marine transport in accordance with IMDG

Environmentally hazardous substance, liquid, n.o.s. (Dibenzoyl peroxide)

- EMS

F-A, S-F

- Label



- IMDG LQ

5 I

Air transport in accordance with IATA

Environmentally hazardous substance, liquid, n.o.s. (Dibenzoyl peroxide)

- Label



14.3 Transport hazard class(es)

Transport by land according to ADR/RID

9 (N)

Inland navigation (ADN)

9 (N)

Marine transport in accordance with IMDG

9

Air transport in accordance with IATA

9

14.4 Packing group

Transport by land according to ADR/RID

III

Inland navigation (ADN)

III

Marine transport in accordance with IMDG

III

Air transport in accordance with IATA

III

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14.5 Environmental hazards

Transport by land according to ADR/RID	yes
Inland navigation (ADN)	yes
Marine transport in accordance with IMDG	MARINE POLLUTANT

Air transport in accordance with IATA yes

14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

14.7 Maritime transport in bulk according to IMO instruments

not applicable

SECTION 15: Regulatory information

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

EEC-REGULATIONS	2008/98/EC 2000/532/EC; 2010/75/EU; 2004/42/EC; (EC) 648/2004; (EC) 1907/2006 (REACH); (EU) 1272/2008; 75/324/EEC ((EC) 2016/2037); (EU) 2020/878; (EU) 2016/131; (EU) 517/2014; (EU) 2019/1148
- Comment on component parts	Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%.
- Annex I (REACH)	The product is not subject to Annex I restrictions.
- Annex XIV (REACH)	According to Annex XIV of Regulation (EC) 1907/2006 (REACH) the product does not contain any substances $\geq 0.1\%$ that are subject to authorisation.
- Annex XVII (REACH)	According to Annex XVII of Regulation (EC) 1907/2006 (REACH) the product contains $\geq 0.1\%$ of substances with the following restrictions. 75 According to Annex XVII of Regulation (EC) 1907/2006 (REACH) the product is subject to the following restrictions. 3
TRANSPORT-REGULATIONS	ADR (2023); IMDG-Code (2023, 41. Amdt.); IATA-DGR (2023)
NATIONAL REGULATIONS (DE):	Hazardous Substances Ordinance - GefStoffV 2016; Detergent and Cleaning Agents Act - WRMG; Federal Water Act - WHG; Technical Rule for Hazardous Substances - TRGS: 200, 220, 615, 900, 905.
- Water hazard class	1, conf. AwSV, 18.04.2017
- Decree for case of interference, observe limits	yes
- Class. according to TA-Luft	5.2.5.
Storage class (TRGS 510)	Storage class 10 - 13 (VCI)
- Observe employment restrictions for people	Observe employment restrictions for mothers-to-be and nursing mothers. Observe employment restrictions for young people.
- VOC (2010/75/CE)	not relevant
- Other regulations	TRGS 510: Storage of hazardous substances in non-stationary containers TRGS 400: Risk assessment

15.2 Chemical safety assessment

not applicable

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SECTION 16: Other information

16.1 Hazard statements (SECTION 3)

H318 Causes serious eye damage.
H315 Causes skin irritation.
H302 Harmful if swallowed.
H410 Very toxic to aquatic life with long lasting effects.
H400 Very toxic to aquatic life.
H241 Heating may cause a fire or explosion.
H361fd Suspected of damaging fertility. Suspected of damaging the unborn child.
H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.
H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation.

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
EL50 = Median effective loading
ELINCS = European List of Notified Chemical Substances
EmS = Emergency Schedules
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
IVIS = In vitro irritation score
LC50 = Lethal concentration, 50%
LD50 = Median lethal dose
LC0 = lethal concentration, 0%
LOAEL = lowest-observed-adverse-effect level
LL50 = Median lethal loading
LQ = Limited Quantities
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

Classification procedure

Skin Sens. 1: H317 May cause an allergic skin reaction. (Calculation method)
Aquatic Chronic 2: H411 Toxic to aquatic life with long lasting effects. (Calculation method)

Modified position

3.2

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