

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 20-Nov-2019

Print date: 05-Dec-2019

Version: 1.0

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construction chemicals



EURODUR force fit WINTER Komponente A

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

1.1. Product identifier

Trade name/designation:

EURODUR force fit WINTER Komponente A

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

Relevant identified uses:

Sector of uses [SU]

SU 19: Building and construction work

Uses advised against:

Sector of uses [SU]

SU 21: Consumer uses

1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor):

Euroteam Bauchemie GmbH

An der Mühle 1
15345 Altlandsberg
Germany

Telephone: +49 (0) 33438 14790

Telefax: +49 (0) 33438 147929

E-mail: info@euroteam-bauchemie.de

Website: www.euroteam-bauchemie.de

E-mail (competent person): info@euroteam-bauchemie.de

1.4. Emergency telephone number

Labor, 24h: +49 (0) 162 2599220, Montag - Donnerstag 7:00 - 16:00; Freitag 7:00 - 13:00 +49 (0) 33438 1479 19 (Only available during office hours.)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Hazard classes and hazard categories	Hazard statements	Classification procedure
Respiratory or skin sensitisation (Skin Sens. 1)	H317: May cause an allergic skin reaction.	
STOT-single exposure (STOT SE 3)	H335: May cause respiratory irritation.	

2.2. Label elements

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

Hazard pictograms:



GHS07

Exclamation mark

Signal word: Warning

Hazard components for labelling:

1,1'-(p-tolylimino)dipropan-2-ol; ethylene dimethacrylate; methacrylic acid, monoester with propane-1,2-diol

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hazard statements for health hazards

H317	May cause an allergic skin reaction.
H335	May cause respiratory irritation.

Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.

Precautionary statements Prevention

P280	Wear protective gloves/protective clothing/eye protection/face protection.
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Precautionary statements Response

P302 + P352	IF ON SKIN: Wash with plenty of water/....
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.

Precautionary statements Disposal

P501	Dispose of contents/container to
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2.3. Other hazards

No data available

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Hazardous ingredients / Hazardous impurities / Stabilisers:

product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 97-90-5 EC No.: 202-617-2 REACH No.: 01-2119965172-38-XXXX	ethylene dimethacrylate STOT SE 3, Skin Sens. 1  Warning H317-H335	≥ 11 - < 30 Wt %
CAS No.: 27813-02-1 EC No.: 248-666-3 REACH No.: 01-2119490226-37-XXXX	methacrylic acid, monoester with propane-1,2-diol Eye Irrit. 2, Skin Sens. 1  Warning H317-H319	≥ 5 - < 11 Wt %
CAS No.: 38668-48-3 EC No.: 254-075-1 REACH No.: 01-2119980937-17-XXXX	1,1'-(p-tolylimino)dipropan-2-ol Acute Tox. 2, Aquatic Chronic 3, Eye Irrit. 2  Danger H300-H319-H412	≥ 0 - < 1 Wt %

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious place in recovery position and seek medical advice. Do not leave affected person unattended.

Following inhalation:

Remove casualty to fresh air and keep warm and at rest. Get immediate medical advice/attention.

In case of skin contact:

After contact with skin, wash immediately with plenty of water and soap. Get immediate medical advice/attention. Take off immediately all contaminated clothing.

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After eye contact:

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing.

After ingestion:

Rinse mouth immediately and drink 1 glass of water. Do NOT induce vomiting. Get immediate medical advice/attention.

Self-protection of the first aider:

Use personal protection equipment.

4.2. Most important symptoms and effects, both acute and delayed

Skin corrosion/irritation Allergic reactions Serious eye damage/eye irritation

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Foam, Extinguishing powder, Carbon dioxide (CO₂), Water spray jet

Unsuitable extinguishing media:

Full water jet

5.2. Special hazards arising from the substance or mixture

Carbon dioxide (CO₂), Nitrogen oxides (NO_x), carbon black, Carbon monoxide

Hazardous combustion products:

In case of fire may be liberated: Gases/vapours, harmful

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

5.4. Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

Remove persons to safety.

Protective equipment:

Wear protective gloves/protective clothing/eye protection/face protection.

6.1.2. For emergency responders

Personal protection equipment:

Personal protection equipment: see section 8

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

For containment:

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

6.5. Additional information

Use appropriate container to avoid environmental contamination.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

Wear personal protection equipment (refer to section 8). Do not breathe gas/fumes/vapour/spray.

Environmental precautions:

Do not allow to enter into soil/subsoil.

Advices on general occupational hygiene

When using do not eat, drink or smoke. Avoid contact with eyes and skin.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

Keep container tightly closed in a cool, well-ventilated place.

Requirements for storage rooms and vessels:

Keep/Store only in original container. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Protect against direct sunlight.

Further information on storage conditions:

storage temperature 5°C - 30°C

7.3. Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Occupational exposure limit values

No data available

8.1.2. Biological limit values

No data available

8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
ethylene dimethacrylate CAS No.: 97-90-5	2.45 mg/m ³	① DNEL worker ② inhalative, long-term, systemic
ethylene dimethacrylate CAS No.: 97-90-5	1.3 mg/kg bw/day	① DNEL worker ② dermal, long-term, systemic
methacrylic acid, monoester with propane-1,2-diol CAS No.: 27813-02-1	14.7 mg/m ³	① DNEL worker ② inhalative, long-term, systemic
methacrylic acid, monoester with propane-1,2-diol CAS No.: 27813-02-1	4.2 mg/kg bw/day	① DNEL worker ② dermal, long-term, systemic
1,1'-(p-tolylimino)dipropan-2-ol CAS No.: 38668-48-3	2.47 mg/m ³	① DNEL worker ② inhalative, long-term, systemic
1,1'-(p-tolylimino)dipropan-2-ol CAS No.: 38668-48-3	0.7 mg/kg bw/day	① DNEL worker ② dermal, long-term, systemic

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Substance name	PNEC Value	① PNEC type ② Exposure time
ethylene dimethacrylate CAS No.: 97-90-5	0.139 mg/l	① PNEC aquatic, freshwater
ethylene dimethacrylate CAS No.: 97-90-5	0.014 mg/l	① PNEC aquatic, marine water
ethylene dimethacrylate CAS No.: 97-90-5	1.6 mg/kg	① PNEC sediment, freshwater ② 24 h
ethylene dimethacrylate CAS No.: 97-90-5	0.16 mg/kg	① PNEC sediment, marine water ② 24 h
ethylene dimethacrylate CAS No.: 97-90-5	0.15 mg/l	① PNEC aquatic, intermittent release
methacrylic acid, monoester with propane-1,2-diol CAS No.: 27813-02-1	0.9 mg/l	① PNEC aquatic, freshwater
methacrylic acid, monoester with propane-1,2-diol CAS No.: 27813-02-1	0.9 mg/l	① PNEC aquatic, marine water
methacrylic acid, monoester with propane-1,2-diol CAS No.: 27813-02-1	6.28 mg/kg	① PNEC sediment, freshwater ② 24 h
methacrylic acid, monoester with propane-1,2-diol CAS No.: 27813-02-1	6.28 mg/kg	① PNEC sediment, marine water ② 24 h
methacrylic acid, monoester with propane-1,2-diol CAS No.: 27813-02-1	0.97 mg/l	① PNEC aquatic, intermittent release
1,1'-(p-tolylimino)dipropan-2-ol CAS No.: 38668-48-3	0.017 mg/l	① PNEC aquatic, freshwater
1,1'-(p-tolylimino)dipropan-2-ol CAS No.: 38668-48-3	0.0017 mg/l	① PNEC aquatic, marine water
1,1'-(p-tolylimino)dipropan-2-ol CAS No.: 38668-48-3	0.0163 mg/kg	① PNEC aquatic, marine water ② 24 h
1,1'-(p-tolylimino)dipropan-2-ol CAS No.: 38668-48-3	0.163 mg/kg	① PNEC sediment, freshwater ② 24 h
1,1'-(p-tolylimino)dipropan-2-ol CAS No.: 38668-48-3	0.0226 mg/kg	① PNEC soil
1,1'-(p-tolylimino)dipropan-2-ol CAS No.: 38668-48-3	0.17 mg/l	① PNEC aquatic, intermittent release

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No data available

8.2.2. Personal protection equipment

Eye/face protection:

Eye glasses with side protection (DIN EN 166)

Skin protection:

Tested protective gloves must be worn EN ISO 374 In the case of wanting to use the gloves again, clean them before taking off and air them well. Breakthrough times and swelling properties of the material must be taken into consideration. Recommended material: Butyl caoutchouc (butyl rubber), FKM (fluoro rubber), PVC (polyvinyl chloride), CR (polychloroprene, chloroprene rubber), NBR (Nitrile rubber)

Respiratory protection:

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. (Combination filtering device (EN 14387))

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Other protection measures:

Avoid: Inhalation of vapours or spray/mists. Avoid contact with eyes and skin. Wash hands before breaks and after work. Apply skin care products after work.

8.2.3. Environmental exposure controls

No data available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: Paste

Colour: cream

Odour: characteristic

Safety relevant basis data

parameter		at °C	Method	Remark
pH	<i>not determined</i>			
Melting point	<i>not determined</i>			
Freezing point	<i>not determined</i>			
Initial boiling point and boiling range	<i>not determined</i>			
Decomposition temperature	<i>not determined</i>			
Flash point	<i>not determined</i>			
Evaporation rate	<i>not determined</i>			
Auto-ignition temperature	<i>not determined</i>			
Upper/lower flammability or explosive limits	<i>not determined</i>			
Vapour pressure	<i>not determined</i>			
Vapour density	<i>not determined</i>			
Density	<i>not determined</i>			
Bulk density	<i>not determined</i>			
Water solubility	The study does not need to be conducted because the substance is known to be insoluble in water.			
Partition coefficient: n-octanol/water	<i>not determined</i>			
Dynamic viscosity	<i>not determined</i>			
Kinematic viscosity	<i>not determined</i>			

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is chemically stable under recommended conditions of storage, use and temperature.

10.2. Chemical stability

The mixture is chemically stable under recommended conditions of storage, use and temperature. Protect against direct sunlight.

10.3. Possibility of hazardous reactions

This material is considered to be non-reactive under normal use conditions.

10.4. Conditions to avoid

Safe handling: see section 7

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10.5. Incompatible materials

No data available

10.6. Hazardous decomposition products

The mixture is chemically stable under recommended conditions of storage, use and temperature.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

CAS No.	Substance name	Toxicological information
97-90-5	ethylene dimethacrylate	LD₅₀ oral: 3,300 mg/kg (Rat) LD₅₀ dermal: >2,000 mg/kg (Rat)
27813-02-1	methacrylic acid, monoester with propane-1,2-diol	LD₅₀ oral: >2,000 mg/kg (Rat) LD₅₀ dermal: >5,000 mg/kg (Rabbit)
38668-48-3	1,1'-(p-tolylimino)dipropan-2-ol	LD₅₀ oral: >25 mg/kg (Rat) LD₅₀ dermal: >2,000 mg/kg (Rat)

SECTION 12: Ecological information

12.1. Toxicity

CAS No.	Substance name	Toxicological information
97-90-5	ethylene dimethacrylate	LC₅₀: >15.95 mg/l 4 d (fish) EC₅₀: >44.9 mg/l 2 d (crustaceans) EC₅₀: >17.3 mg/l 3 d (Algae/water plant) NOEC: >7.22 mg/l (crustaceans) NOEC: >6.93 mg/l (Algae/water plant)
27813-02-1	methacrylic acid, monoester with propane-1,2-diol	LC₅₀: >493 mg/l 4 d (fish) EC₅₀: >143 mg/l 2 d (crustaceans) EC₅₀: >97.2 mg/l 3 d (Algae/water plant) NOEC: >45.2 mg/l (crustaceans)
38668-48-3	1,1'-(p-tolylimino)dipropan-2-ol	LC₅₀: >17 mg/l 4 d (fish) EC₅₀: >28 mg/l 2 d (crustaceans) EC₅₀: >245 mg/l 3 d (Algae/water plant)

12.2. Persistence and degradability

CAS No.	Substance name	Biodegradation	Remark
97-90-5	ethylene dimethacrylate	Yes, rapidly	
27813-02-1	methacrylic acid, monoester with propane-1,2-diol	Yes, rapidly	

12.3. Bioaccumulative potential

CAS No.	Substance name	Log K _{OW}	Bioconcentration factor (BCF)
97-90-5	ethylene dimethacrylate	2.4	
38668-48-3	1,1'-(p-tolylimino)dipropan-2-ol	2.1	

12.4. Mobility in soil

No data available

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12.5. Results of PBT and vPvB assessment

CAS No.	Substance name	Results of PBT and vPvB assessment
97-90-5	ethylene dimethacrylate	—
27813-02-1	methacrylic acid, monoester with propane-1,2-diol	—
38668-48-3	1,1'-(p-tolylimino)dipropan-2-ol	—

12.6. Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product:

08 04 09 *	Waste adhesives and sealants containing organic solvents or other dangerous substances
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*: Evidence for disposal must be provided.

Waste code packaging:

15 01 10 *	packaging containing residues of or contaminated by dangerous substances
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*: Evidence for disposal must be provided.

Waste treatment options

Appropriate disposal / Product:

Dispose of waste according to applicable legislation. Consult the appropriate local waste disposal expert about waste disposal.

Appropriate disposal / Package:

Completely emptied packages can be recycled.

SECTION 14: Transport information

No dangerous good in sense of these transport regulations.

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN-No.			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.2. UN proper shipping name			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.3. Transport hazard class(es)			
not relevant			
14.4. Packing group			
not relevant			
14.5. Environmental hazards			
not relevant			
14.6. Special precautions for user			
not relevant			

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Only use containers specifically approved for the substance/product.

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SECTION 15: Regulatory information

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

15.1.1. EU legislation

No data available

15.1.2. National regulations

 [DE] National regulations

Water hazard class (WGK)

WGK:

1 - schwach wassergefährdend

15.2. Chemical Safety Assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

16.1. Indication of changes

No data available

16.2. Abbreviations and acronyms

No data available

16.3. Key literature references and sources for data

No data available

16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

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

Hazard classes and hazard categories	Hazard statements	Classification procedure
Respiratory or skin sensitisation (<i>Skin Sens. 1</i>)	H317: May cause an allergic skin reaction.	
STOT-single exposure (<i>STOT SE 3</i>)	H335: May cause respiratory irritation.	

16.5. Relevant R-, H- and EUH-phrases (Number and full text)

Hazard statements	
H300	Fatal if swallowed.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H412	Harmful to aquatic life with long lasting effects.

16.6. Training advice

No data available

16.7. Additional information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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

1.1. Product identifier

Trade name/designation:

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

Relevant identified uses:

Sector of uses [SU]

SU 19: Building and construction work

Uses advised against:

Sector of uses [SU]

SU 21: Consumer uses

1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor):

Euroteam Bauchemie GmbH

An der Mühle 1
15345 Altlandsberg
Germany

Telephone: +49 (0) 33438 14790

Telefax: +49 (0) 33438 147929

E-mail: info@euroteam-bauchemie.de

Website: www.euroteam-bauchemie.de

E-mail (competent person): info@euroteam-bauchemie.de

1.4. Emergency telephone number

Labor, 24h: +49 (0) 162 2599220, Montag - Donnerstag 7:00 - 16:00; Freitag 7:00 - 13:00 +49 (0) 33438 1479 19 (Only available during office hours.)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Hazard classes and hazard categories	Hazard statements	Classification procedure
Respiratory or skin sensitisation (<i>Skin Sens. 1</i>)	H317: May cause an allergic skin reaction.	
Serious eye damage/eye irritation (<i>Eye Irrit. 2</i>)	H319: Causes serious eye irritation.	

2.2. Label elements

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

Hazard pictograms:



GHS07

Exclamation mark

Signal word: Warning

Hazard components for labelling:

dibenzoyl peroxide

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hazard statements for health hazards

H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.

Precautionary statements Prevention

P280	Wear protective gloves/protective clothing/eye protection/face protection.
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Precautionary statements Response

P302 + P352	IF ON SKIN: Wash with plenty of water/....
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.

Precautionary statements Disposal

P501	Dispose of contents/container to
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2.3. Other hazards

No data available

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Hazardous ingredients / Hazardous impurities / Stabilisers:

product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 94-36-0 EC No.: 202-327-6 REACH No.: 01-2116511472-50-XXXX	dibenzoyl peroxide Aquatic Acute 1, Aquatic Chronic 1, Eye Irrit. 2, Org. Perox. B, Skin Sens. 1 Danger H241-H317-H319-H400-H410 M-factor (acute): 10 M-factor (chronic): 10	≥ 11 - < 17 Wt %

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious place in recovery position and seek medical advice. Do not leave affected person unattended.

Following inhalation:

Remove casualty to fresh air and keep warm and at rest. Get immediate medical advice/attention.

In case of skin contact:

After contact with skin, wash immediately with plenty of water and soap. Get immediate medical advice/attention. Take off immediately all contaminated clothing.

After eye contact:

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing.

After ingestion:

Rinse mouth immediately and drink 1 glass of water. Do NOT induce vomiting. Get immediate medical advice/attention.

Self-protection of the first aider:

Use personal protection equipment.

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4.2. Most important symptoms and effects, both acute and delayed

Skin corrosion/irritation Allergic reactions Serious eye damage/eye irritation

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Foam, Extinguishing powder, Carbon dioxide (CO₂), Water spray jet

Unsuitable extinguishing media:

Full water jet

5.2. Special hazards arising from the substance or mixture

Carbon dioxide (CO₂), Nitrogen oxides (NO_x), carbon black, Carbon monoxide

Hazardous combustion products:

In case of fire may be liberated: Gases/vapours, harmful

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

5.4. Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

Remove persons to safety.

Protective equipment:

Wear protective gloves/protective clothing/eye protection/face protection.

6.1.2. For emergency responders

Personal protection equipment:

Personal protection equipment: see section 8

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

For containment:

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

6.5. Additional information

Use appropriate container to avoid environmental contamination.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

Wear personal protection equipment (refer to section 8). Do not breathe gas/fumes/vapour/spray.

Environmental precautions:

Do not allow to enter into soil/subsoil.

Advices on general occupational hygiene

When using do not eat, drink or smoke. Avoid contact with eyes and skin.

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7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

Keep container tightly closed in a cool, well-ventilated place.

Requirements for storage rooms and vessels:

Keep/Store only in original container. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Protect against direct sunlight.

Further information on storage conditions:

storage temperature 5°C - 30°C

7.3. Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	① long-term occupational exposure limit value ② short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
TRGS 900 (DE)	dibenzoyl peroxide CAS No.: 94-36-0	① 5 mg/m ³ ② 5 mg/m ³ ⑤ (einatembare Fraktion)

8.1.2. Biological limit values

No data available

8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
dibenzoyl peroxide CAS No.: 94-36-0	39 mg/m ³	① DNEL worker ② inhalative, long-term, systemic
dibenzoyl peroxide CAS No.: 94-36-0	13.3 mg/kg bw/day	① DNEL worker ② dermal, long-term, systemic

Substance name	PNEC Value	① PNEC type ② Exposure time
dibenzoyl peroxide CAS No.: 94-36-0	0.00002 mg/l	① PNEC aquatic, freshwater
dibenzoyl peroxide CAS No.: 94-36-0	0.000002 mg/l	① PNEC aquatic, marine water
dibenzoyl peroxide CAS No.: 94-36-0	0.00127 mg/kg	① PNEC aquatic, marine water ② 24 h
dibenzoyl peroxide CAS No.: 94-36-0	0.0127 mg/kg	① PNEC sediment, freshwater ② 24 h
dibenzoyl peroxide CAS No.: 94-36-0	0.000602 mg/l	① PNEC aquatic, intermittent release

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No data available

8.2.2. Personal protection equipment

Eye/face protection:

Eye glasses with side protection (DIN EN 166)

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Skin protection:

Tested protective gloves must be worn EN ISO 374 In the case of wanting to use the gloves again, clean them before taking off and air them well. Breakthrough times and swelling properties of the material must be taken into consideration. Recommended material: Butyl caoutchouc (butyl rubber), FKM (fluoro rubber), PVC (polyvinyl chloride), CR (polychloroprene, chloroprene rubber), NBR (Nitrile rubber)

Respiratory protection:

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. (Combination filtering device (EN 14387))

Other protection measures:

Avoid: Inhalation of vapours or spray/mists. Avoid contact with eyes and skin. Wash hands before breaks and after work. Apply skin care products after work.

8.2.3. Environmental exposure controls

No data available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: Paste

Colour: black

Odour: characteristic

Safety relevant basis data

parameter		at °C	Method	Remark
pH	<i>not determined</i>			
Melting point	<i>not determined</i>			
Freezing point	<i>not determined</i>			
Initial boiling point and boiling range	<i>not determined</i>			
Decomposition temperature	<i>not determined</i>			
Flash point	<i>not determined</i>			
Evaporation rate	<i>not determined</i>			
Auto-ignition temperature	<i>not determined</i>			
Upper/lower flammability or explosive limits	<i>not determined</i>			
Vapour pressure	<i>not determined</i>			
Vapour density	<i>not determined</i>			
Density	1.5 - 1.7 kg/l			
Bulk density	<i>not determined</i>			
Water solubility	The study does not need to be conducted because the substance is known to be insoluble in water.			
Partition coefficient: n-octanol/water	<i>not determined</i>			
Dynamic viscosity	<i>not determined</i>			
Kinematic viscosity	<i>not determined</i>			

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is chemically stable under recommended conditions of storage, use and temperature.

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10.2. Chemical stability

The mixture is chemically stable under recommended conditions of storage, use and temperature.
Protect against direct sunlight.

10.3. Possibility of hazardous reactions

This material is considered to be non-reactive under normal use conditions.

10.4. Conditions to avoid

Safe handling: see section 7

10.5. Incompatible materials

Reducing agent, strong; Oxidising agent, strong; Strong alkali; Strong acid

10.6. Hazardous decomposition products

The mixture is chemically stable under recommended conditions of storage, use and temperature.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

CAS No.	Substance name	Toxicological information
94-36-0	dibenzoyl peroxide	LD₅₀ oral: >2,000 mg/kg (Rat) LC₅₀ Acute inhalation toxicity (dust/mist): >24.3 mg/l 4 h (Rat)

Serious eye damage/irritation:

Causes serious eye irritation.

Respiratory or skin sensitisation:

Skin sensitisation

SECTION 12: Ecological information

12.1. Toxicity

CAS No.	Substance name	Toxicological information
94-36-0	dibenzoyl peroxide	LC₅₀: >0.0602 mg/l 4 d (fish) OECD 203 EC₅₀: >0.11 mg/l 2 d (crustaceans) OECD 202 EC₅₀: >0.0711 mg/l 3 d (Algae/water plant) NOEC: >0.0316 mg/l 4 d (fish) NOEC: >0.02 mg/l 3 d (Algae/water plant)

12.2. Persistence and degradability

CAS No.	Substance name	Biodegradation	Remark
94-36-0	dibenzoyl peroxide	Yes, rapidly	

12.3. Bioaccumulative potential

CAS No.	Substance name	Log K _{OW}	Bioconcentration factor (BCF)
94-36-0	dibenzoyl peroxide	3.2	

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

CAS No.	Substance name	Results of PBT and vPvB assessment
94-36-0	dibenzoyl peroxide	The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

No data available

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product:

08 04 09 *	Waste adhesives and sealants containing organic solvents or other dangerous substances
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*: Evidence for disposal must be provided.

Waste code packaging:

15 01 10 *	packaging containing residues of or contaminated by dangerous substances
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*: Evidence for disposal must be provided.

Waste treatment options

Appropriate disposal / Product:

Dispose of waste according to applicable legislation. Consult the appropriate local waste disposal expert about waste disposal.

Appropriate disposal / Package:

Completely emptied packages can be recycled.

SECTION 14: Transport information

No dangerous good in sense of these transport regulations.

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN-No.			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.2. UN proper shipping name			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.3. Transport hazard class(es)			
not relevant			
14.4. Packing group			
not relevant			
14.5. Environmental hazards			
not relevant			
14.6. Special precautions for user			
not relevant			

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Only use containers specifically approved for the substance/product.

SECTION 15: Regulatory information

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

15.1.1. EU legislation

No data available

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15.1.2. National regulations

 [DE] National regulations

Water hazard class (WGK)

WGK:

1 - schwach wassergefährdend

15.2. Chemical Safety Assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

16.1. Indication of changes

No data available

16.2. Abbreviations and acronyms

No data available

16.3. Key literature references and sources for data

No data available

16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

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

Hazard classes and hazard categories	Hazard statements	Classification procedure
Respiratory or skin sensitisation (<i>Skin Sens. 1</i>)	H317: May cause an allergic skin reaction.	
Serious eye damage/eye irritation (<i>Eye Irrit. 2</i>)	H319: Causes serious eye irritation.	

16.5. Relevant R-, H- and EUH-phrases (Number and full text)

Hazard statements	
H241	Heating may cause a fire or explosion.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

16.6. Training advice

No data available

16.7. Additional information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.