

Safety Data Sheet

Bostik Fix o Chem - Comp. A

Issued: 23/05/2019

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

1.1. Product identifier

Trade name: Bostik Fix o Chem - Comp. A

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

Recommended uses: Adhesive mortar for fastening elements A-component (resin)

1.3. Details of the supplier of the safety data sheet

Supplier

Company: Bostik AB

Address: Strandbadsvägen 22

Zip code: 251 09

City: Helsingborg

Country: SWEDEN

E-mail: info.se@bostik.com

Phone: +46 42 19 50 00

Homepage: www.bostik.com

Contact person: Name: Environment dep., Phone: +46 42 19 50 00

1.4. Emergency Telephone Number

112 - ask for Poison Information Center - Sweden

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

CLP-classification: Skin Sens. 1;H317 Eye Irrit. 2;H319

CLP Classification - other information: Classification according to Regulation (EC) No 1272/2008.

Most serious harmful effects: May cause an allergic skin reaction. Causes serious eye irritation.

2.2. Label elements

Pictograms



Signal word: Warning

Contains

Substance: Tetramethylene dimethacrylate; methacrylic acid, monoester with propane-1,2-diol; ethylene dimethacrylate; 1,4-naphthoquinone

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Unique Formula Identifier (UFI): 23N2-60RT-G00V-0TVJ

H-phrases

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

P-phrases

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+352 IF ON SKIN: Wash with plenty of water and soap.
P333+313 If skin irritation or rash occurs: Get medical advice/attention.
P337+313 If eye irritation persists: Get medical advice/attention.
P501 Dispose of contents/container to in accordance with local/regional/national/international regulation.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Substance	CAS No	EC No	REACH Reg. No.	Concentration	Notes	CLP-classification
Tetramethylene dimethacrylate	2082-81-7	218-218-1	01-2119967415-30	10 -< 20%		Skin Sens. 1B;H317
Vinyltoluene	25013-15-4	246-562-2	01-2119622074-50	5 -< 10%		Flam. Liq. 3;H226 Asp. Tox. 1;H304 Skin Irrit. 2;H315 Eye Irrit. 2;H319 Acute Tox. 4;H332 Aquatic Chronic 3;H412
ethylene dimethacrylate	97-90-5	202-617-2		1 -< 5%		Skin Sens. 1;H317 STOT SE 3;H335
methacrylic acid, monoester with propane-1,2-diol	27813-02-1	248-666-3	01-2119490226-37	1 -< 5%		Skin Sens. 1;H317 Eye Irrit. 2;H319
2,2'-[(4-methylphenyl) imino]bisethanol	3077-12-1	221-359-1		< 1.5%		Acute Tox. 4;H302 Skin Irrit. 2;H315 Eye Dam. 1;H318
1,1'-(p-tolylimino) dipropan-2-ol	38668-48-3	254-075-1	01-2119980937-17	< 1%		Acute Tox. 2;H300/330 Eye Irrit. 2;H319 Aquatic Chronic 3;H412
1-isopropyl-2,2-dimethyltrimethyl ene diisobutyrate	6846-50-0	229-934-9	01-2119461093-47	< 1%		Repr. 2;H361d Aquatic Chronic 3;H412
1,4-naphthoquinone	130-15-4	204-977-6	01-2120760462-57	< 0.1%		Acute Tox. 3;H301 Acute Tox. 3;H311 Skin Corr. 1C;H314 Skin Sens. 1A;H317 Acute Tox. 2;H330 STOT SE 3;H335 Aquatic Acute 1;H400 Aquatic Chronic 1;H410

Please see section 16 for the full text of H-phrases.

Ingredient comments: This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

SECTION 4: First aid measures

4.1. Description of first aid measures

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Inhalation:	Seek fresh air. Seek medical advice in case of persistent discomfort.
Ingestion:	Rinse mouth thoroughly with water and give large amounts of water to people not unconscious.
Skin contact:	Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above. Wash contaminated clothing before reuse. Seek medical advice in case of persistent discomfort.
Eye contact:	Promptly wash eyes with plenty of water while lifting the eye lids. Remove contact lenses. Immediately consult a doctor.
General:	When obtaining medical advice, show the safety data sheet or label.

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 symptoms.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media: Extinguish with powder, carbon dioxide or water mist.

Unsuitable extinguishing media: Do not use a direct water jet. Foam.

5.2. Special hazards arising from the substance or mixture

Pyrolysis products, toxic Carbon monoxide (CO).

5.3. Advice for fire-fighters

In case of fire and/or explosion do not breathe fumes. Wear a self-contained breathing apparatus and chemical protective clothing.

Other Information: Suppress gases/vapours/mists with water spray jet. 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

For non-emergency personnel: Provide good ventilation. Avoid inhalation. Avoid contact with skin and eyes. Wear necessary protective equipment. NB! Risk of slipping due to spillage.

For emergency responders: Wear necessary protective equipment.

6.2. Environmental precautions

Prevent discharges into the sewage system, watercourses or ground.

6.3. Methods and material for containment and cleaning up

Collect mechanically. Collect with inert absorbent material (eg sand, silicon gel, acid binders, universal binders, sawdust). Collect the spillage into suitable containers for incineration.

6.4. Reference to other sections

See Sections 7 and 8 for prevention. See section 13 for waste disposal.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Use the product under well-ventilated conditions, preferably outdoors. Avoid contact with skin, eyes or clothing. Wash hands before breaks, before using restroom facilities, and at the end of work. Do not eat, drink or smoke during work.

7.2. Conditions for safe storage, including any incompatibilities

Keep containers tightly closed. Keep in a dry, cool and well-ventilated place. The product should be stored safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc. Recommended storage temperature 5°C - 25°C

7.3. Specific end use(s)

See Product Data Sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit

Substance name	Time period	ppm	mg/m ³	fiber/cm ³	Comments	Remarks
Quartz (SiO ₂)	8h		0.1		respirable crystalline	
Quartz (SiO ₂)	15m				respirable crystalline	

Other Information: A quartz (Silica) contained is firmly bound in the pasty component, and thus not freely available during use, so that a risk of dust inhalation is excluded.

8.2. Exposure controls

Exposure controls: Provide adequate ventilation. Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme.

Appropriate engineering controls: The work place and work methods shall be organized in such a way that direct contact with the product is prevented. Use only in well-ventilated areas.

Personal protective equipment, eye/face protection: Running water and eye wash equipment should be available. Eye/ face protection shall be used when there is a risk of direct contact or splashes. Eye protection must conform to EN 166.

Personal protective equipment, skin protection: Wear appropriate clothing to prevent any possibility of skin contact.

Personal protective equipment, hand protection: Wear suitable gloves. Gloves must conform to EN 374.
The suitability and durability of a glove is dependant on usage, e.g. frequency and duration of contact, glove material thickness, functionality and chemical resistance. Always seek advice from the glove supplier.
Wearing time with occasional contact (splashes): 0,4mm NBR (Nitrile rubber) >480min
Wearing time with permanent contact 0,5mm NBR (Nitrile rubber) >480min

Personal protective equipment, respiratory protection: If ventilation is insufficient, use a breathing mask with filter for organic vapours (type A1).

Environmental exposure controls: Ensure compliance with local regulations for emissions.

SECTION 9: Physical and chemical properties

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9.1. Information on basic physical and chemical properties

Parameter	Value/unit
State	Paste
Colour	Beige
Odour	No data
Solubility	No data
Explosive properties	No data
Oxidising properties	No data

Parameter	Value/unit	Remarks
pH (solution for use)	No data	
pH (concentrate)	No data	
Melting point	No data	
Freezing point	No data	
Initial boiling point and boiling range	No data	
Flash Point	No data	
Evaporation rate	No data	
Flammability (solid, gas)	No data	
Flammability limits	No data	
Explosion limits	No data	
Vapour pressure	No data	
Vapour density	No data	
Relative density	No data	
Partition coefficient n-octanol/water	No data	
Auto-ignition temperature	No data	
Decomposition temperature	No data	
Viscosity	No data	
Odour threshold	No data	

9.2 Other information

Parameter	Value/unit	Remarks
Density	1.72 g/cm ³	

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

No information available

10.6. Hazardous decomposition products

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None known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

Tetramethylene dimethacrylate, cas-no 2082-81-7

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		10066mg/kg			

Vinyltoluene, cas-no 25013-15-4

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		3275mg/kg			

methacrylic acid, monoester with propane-1,2-diol, cas-no 27813-02-1

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		11200mg/kg			

2,2'-(4-methylphenyl)imino]bisethanol, cas-no 3077-12-1

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat			> 300mg/kg			

1,1'-(p-tolylimino)dipropan-2-ol, cas-no 38668-48-3

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		27.5mg/kg			

1-isopropyl-2,2-dimethyltrimethylene diisobutyrate, cas-no 6846-50-0

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		3200mg/kg			

1,4-naphthoquinone, cas-no 130-15-4

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		190mg/kg			

Acute toxicity - dermal

Tetramethylene dimethacrylate, cas-no 2082-81-7

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit	LD50		> 3000mg/kg			

Vinyltoluene, cas-no 25013-15-4

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit	LD50		> 4450mg/kg			

methacrylic acid, monoester with propane-1,2-diol, cas-no 27813-02-1

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit	LD50		> 5000mg/kg			

1,1'-(p-tolylimino)dipropan-2-ol, cas-no 38668-48-3

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
	LD50		> 2000mg/kg			

1-isopropyl-2,2-dimethyltrimethylene diisobutyrate, cas-no 6846-50-0

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Guinea pig	LD50		18900mg/kg			

1,4-naphthoquinone, cas-no 130-15-4

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		202mg/kg			

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Acute toxicity - inhalation

Vinyltoluene, cas-no 25013-15-4

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LC50 (vapour)		9.459mg/l			
	ATE inhalation (aerosol)		1.5mg/l			

1,4-naphthoquinone, cas-no 130-15-4

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LC50 aerosol	4h	0.046mg/l			
	ATE vapour		0.5mg/l			

Skin corrosion/irritation: May cause an allergic skin reaction.

Serious eye damage/eye irritation: Causes serious eye irritation.

Respiratory sensitisation or skin sensitisation: Based on existing data, the classification criteria are deemed not to have been met.

Germ cell mutagenicity: Based on existing data, the classification criteria are deemed not to have been met.

Carcinogenic properties: Based on existing data, the classification criteria are deemed not to have been met.

Reproductive toxicity: Based on existing data, the classification criteria are deemed not to have been met.

Single STOT exposure: Based on existing data, the classification criteria are deemed not to have been met.

Repeated STOT exposure: Based on existing data, the classification criteria are deemed not to have been met.

Aspiration hazard: Based on existing data, the classification criteria are deemed not to have been met.

SECTION 12: Ecological information

12.1. Toxicity

Tetramethylene dimethacrylate, cas-no 2082-81-7

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Algae		3d	NOEC	2.11mg/l			
Crustacea		21d	21dNOEC	5.09mg/l			
Bacteria				32.5mg/l			

Vinyltoluene, cas-no 25013-15-4

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Fish	Pimephales promelas	96h	96hLC50	5.2mg/l			
Algae		72h	72hErC50	2.6mg/l			
Crustacea		48h	48hEC50	1.3mg/l			
Fish	Pimephales promelas	4d	NOEC	2.6mg/l			
Algae		3d	NOEC	1.6mg/l			
Crustacea		2d	NOEC	0.81mg/l			

methacrylic acid, monoester with propane-1,2-diol, cas-no 27813-02-1

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Fish		96h	96hLC50	379mg/l			
Algae		72h	72hErC50	> 97.2mg/l			
Crustacea		48h	48hEC50	> 143mg/l			

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Crustacea		21d	NOEC	45.2mg/l			
Algae			NOEC	> 97.2mg/l			

2,2'-[(4-methylphenyl)imino]bisethanol, cas-no 3077-12-1

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Fish		96h	96hLC50	735mg/l			

1-isopropyl-2,2-dimethyltrimethylene diisobutyrate, cas-no 6846-50-0

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Fish	Pimephales promelas	96h	96hLC50	1.55mg/l			
Crustacea	Daphnia magna	48h	48hEC50	1.46mg/l			

1,4-naphthoquinone, cas-no 130-15-4

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Algae			NOEC	0.011mg/l			

The product does not have to be classified.

12.2. Persistence and degradability

Tetramethylene dimethacrylate, cas-no 2082-81-7

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
		28d		84%		OECD 310	

methacrylic acid, monoester with propane-1,2-diol, cas-no 27813-02-1

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
		28d		81%		OECD 310	

No assessment has been made.

12.3. Bioaccumulative potential

No assessment has been made.

Partition coefficient n-octanol/water

CAS 2082-81-7 Tetramethylene dimethacrylate Log Pow 3,1

CAS 25013-15-4 Vinyltoluene Log Pow 3,58

CAS 3077-12-1 N,N-Bis-2-hydroxyethyl)-p-toluidine Log Pow 1,09

CAS 38668-48-3 1,1'-(p-Tolylimino)dipropan-2-ol Log Pow 2,1

CAS 130-15-4 1,4-naphthoquinone Log Pow1,8

Vinyltoluene, CAS 25013-15-4, BCF <500

12.4. Mobility in soil

No assessment has been made.

12.5. Results of PBT and vPvB assessment

No assessment has been made.

12.6. Other adverse effects

No information available

Other Information

Avoid discharge into drains, water or soil.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable

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products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Category of waste: 08 04 09* waste adhesives and sealants containing organic solvents or other hazardous substances
15 01 10* packaging containing residues of or contaminated by hazardous substances

SECTION 14: Transport information

14.1. UN-No.:	Not applicable.	14.4. Packing group:	Not applicable.
14.2. UN proper shipping name:	Not applicable.	14.5. Environmental hazards:	Not applicable.
14.3. Transport hazard class(es):	Not applicable.		

14.6. Special precautions for user

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

Special Provisions: Safety, health and environmental regulations / legislation specific for the substance or mixture. EU Regulation (EC) No 1907/2006 (REACH).
EU-REACH (1907/2006) - Candidate List of Substances of Very High Concern (SVHC) for Authorization in accordance with Article 59.
The product does not contain SVHC substances.
EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction: None of the components are listed.
EU-REACH (1907/2006) - Annex XIV - List of substances subject to authorisation: None of the components are listed.

Authorisations / limitations: Observe local regulations.
Check whether measures in accordance with Directive 94/33/EC for the protection of young people at work must be taken.

15.2. Chemical Safety Assessment

Other Information: Not established.

SECTION 16: Other information

Vendor notes: Version 1.
The information in this SDS is based on our current knowledge and on current EU and national laws. The product should not be used for other purposes than those specified under section 1 without first obtaining written handling instruction. It is always the user who has full responsibility to comply with the requirements of current legislation. The information in this SDS is meant as a description of safety requirements for the product and not a guarantee of product properties.

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List of relevant H-statements

H226 Flammable liquid and vapour.

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H300/330	Fatal if swallowed or if inhaled.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H361d	Suspected of damaging the unborn child.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Document language: GB

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

1.1. Product identifier

Trade name: Bostik Fix o Chem - Comp. B

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

Recommended uses: compound mortar B-component (hardener)

1.3. Details of the supplier of the safety data sheet

Supplier

Company: Bostik AB

Address: Strandbadsvägen 22

Zip code: 251 09

City: Helsingborg

Country: SWEDEN

E-mail: info.se@bostik.com

Phone: +46 42 19 50 00

Homepage: www.bostik.com

Contact person: Name: Environment dep., Phone: +46 42 19 50 00

1.4. Emergency Telephone Number

112 - ask for Poison Information Center - Sweden

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

CLP-classification: Skin Sens. 1;H317 Eye Irrit. 2;H319

CLP Classification - other information: Classification according to Regulation (EC) No 1272/2008.

Most serious harmful effects: May cause an allergic skin reaction. Causes serious eye irritation.

2.2. Label elements

Pictograms



Signal word: Warning

Contains

Substance: dibenzoyl peroxide

Unique Formula Identifier (UFI): 23N2-60RT-G00V-0TVJ

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H-phrases

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

P-phrases

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P363 Wash contaminated clothing before reuse.

P501 Dispose of contents/container to in accordance with local/regional/national/international regulation.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Substance	CAS No	EC No	REACH Reg. No.	Concentration	Notes	CLP-classification
dibenzoyl peroxide	94-36-0	202-327-6		10 -< 15%		Org. Perox. B;H241 Skin Sens. 1;H317 Eye Irrit. 2;H319 Aquatic Acute 1;H400 Aquatic Chronic 1;H410

Please see section 16 for the full text of H-phrases.

Ingredient comments:

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

The product has been tested for aquatic toxicity. The tests show no need for classification of the product as toxic and harmful to aquatic life. Test reports are available.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation: Seek fresh air. Seek medical advice in case of persistent discomfort.

Ingestion: Rinse mouth thoroughly with water and give large amounts of water to people not unconscious.

Skin contact: Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above. Wash contaminated clothing before reuse. Seek medical advice in case of persistent discomfort.

Eye contact: Promptly wash eyes with plenty of water while lifting the eye lids. Remove contact lenses. Immediately consult a doctor.

General: When obtaining medical advice, show the safety data sheet or label.

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 symptoms.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

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Suitable extinguishing media: Use extinguishing media appropriate for surrounding fire. Extinguish with powder, carbon dioxide or water mist.

Unsuitable extinguishing media: Do not use a direct water jet. Foam.

5.2. Special hazards arising from the substance or mixture

Pyrolysis products, toxic Carbon monoxide (CO).

5.3. Advice for fire-fighters

In case of fire and/or explosion do not breathe fumes. Wear a self-contained breathing apparatus and chemical protective clothing.

Other Information: Suppress gases/vapours/mists with water spray jet. 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

For non-emergency personnel: Provide good ventilation. Avoid inhalation. Avoid contact with skin and eyes. Wear necessary protective equipment. NB! Risk of slipping due to spillage.

For emergency responders: Wear necessary protective equipment.

6.2. Environmental precautions

Prevent discharges into the sewage system, watercourses or ground.

6.3. Methods and material for containment and cleaning up

Collect mechanically. Collect with inert absorbent material (eg sand, silicon gel, acid binders, universal binders, sawdust). Collect the spillage into suitable containers for incineration.

6.4. Reference to other sections

See Sections 7 and 8 for prevention. See section 13 for waste disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Use the product under well-ventilated conditions, preferably outdoors. Avoid contact with skin, eyes or clothing. Wash hands before breaks, before using restroom facilities, and at the end of work. Do not eat, drink or smoke during work. Use protective skin cream before handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Keep containers tightly closed. Keep in a dry, cool and well-ventilated place. The product should be stored safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc. Recommended storage temperature 5°C - 25°C

7.3. Specific end use(s)

See Product Data Sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit: Contains no substances subject to reporting requirements

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Other Information: A quartz (Silica) contained is firmly bound in the pasty component, and thus not freely available during use, so that a risk of dust inhalation is excluded.

8.2. Exposure controls

Exposure controls: Provide adequate ventilation. Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme.

Appropriate engineering controls: The work place and work methods shall be organized in such a way that direct contact with the product is prevented. Use only in well-ventilated areas.

Personal protective equipment, eye/face protection: Running water and eye wash equipment should be available. Eye/ face protection shall be used when there is a risk of direct contact or splashes. Eye protection must conform to EN 166.

Personal protective equipment, skin protection: Wear appropriate clothing to prevent any possibility of skin contact.

Personal protective equipment, hand protection: Wear suitable gloves. Gloves must conform to EN 374.
The suitability and durability of a glove is dependant on usage, e.g. frequency and duration of contact, glove material thickness, functionality and chemical resistance. Always seek advice from the glove supplier.
Wearing time with occasional contact (splashes): 0,4mm NBR (Nitrile rubber) >480min
Wearing time with permanent contact 0,5mm NBR (Nitrile rubber) >480min

Personal protective equipment, respiratory protection: If ventilation is insufficient, use a breathing mask with filter for organic vapours (type A1).

Environmental exposure controls: Ensure compliance with local regulations for emissions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Parameter	Value/unit
State	Paste
Colour	Black
Odour	Characteristic
Solubility	No data
Explosive properties	No data
Oxidising properties	No data

Parameter	Value/unit	Remarks
pH (solution for use)	No data	
pH (concentrate)	No data	
Melting point	No data	
Freezing point	No data	
Initial boiling point and boiling range	No data	
Flash Point	No data	
Evaporation rate	No data	
Flammability (solid, gas)	No data	
Flammability limits	No data	
Explosion limits	No data	
Vapour pressure	No data	
Vapour density	No data	
Relative density	No data	
Partition coefficient n-octanol/water	No data	
Auto-ignition temperature	No data	
Decomposition temperature	No data	

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Viscosity	No data	
Odour threshold	No data	

9.2 Other information

Parameter	Value/unit	Remarks
Density	1.59 g/cm ³	

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

10.3. Possibility of hazardous reactions

Avoid contact with oxidizing substances.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Oxidisers.

10.6. Hazardous decomposition products

None known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

dibenzoyl peroxide, cas-no 94-36-0

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		> 5000mg/kg			

Acute toxicity - dermal: No information available

Acute toxicity - inhalation: No information available

Skin corrosion/irritation: May cause an allergic skin reaction.

Serious eye damage/eye irritation: Causes serious eye irritation.

Respiratory sensitisation or skin sensitisation: Based on existing data, the classification criteria are deemed not to have been met.

Germ cell mutagenicity: Based on existing data, the classification criteria are deemed not to have been met.

Carcinogenic properties: Based on existing data, the classification criteria are deemed not to have been met.

Reproductive toxicity: Based on existing data, the classification criteria are deemed not to have been met.

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Single STOT exposure: Based on existing data, the classification criteria are deemed not to have been met.

Repeated STOT exposure: Based on existing data, the classification criteria are deemed not to have been met.

Aspiration hazard: Based on existing data, the classification criteria are deemed not to have been met.

SECTION 12: Ecological information

12.1. Toxicity

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Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
	Desmodesmus subspicatus	0-72H	IC10	30 mg/l		OECD 201	
	Desmodesmus subspicatus	0-72H	IC50	150 mg/l		OECD 201	
	Daphnia magna	48H	EC0/NOEC	100 mg/l		OECD 202	
	Daphnia magna	48H	EC50	> 500mg/l		OECD 202	
	Daphnia magna	48h	EC100	> 500mg/l		OECD 202	
	Danio rerio		LC0/NOEC	250mg/l		OECD 203	
	Danio rerio		LC50	> 500mg/l		OECD 203	
	Danio rerio		LC100	> 500mg/l		OECD 203	

dibenzoyl peroxide, cas-no 94-36-0

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Fish	Oncorhynchus mykiss	96h	96hLC50	0.0602mg/l		OECD 203	
Algae	Pseudokirchneriella subcapitata	72h	72hErC50	0.0711mg/l		OECD 201	
Crustacea	Daphnia magna	48h	48hEC50	0.11mg/l		OECD 202	
Algae	Pseudokirchneriella subcapitata	3d	NOEC	0.02mg/l		OECD 201	
Crustacea	Daphnia magna	21d	NOEC	0.001mg/l		OECD 211	
Bacteria		5h		35mg/l		OECD 209	

The product is not: Ecotoxic.

12.2. Persistence and degradability

dibenzoyl peroxide, cas-no 94-36-0

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
		28d		71%	Readily biodegradable.	OECD 301 D	

No assessment has been made.

12.3. Bioaccumulative potential

No assessment has been made.

Partition coefficient n-octanol/water
CAS 94-36-0 Dibenzoyl peroxide Log Pow 3,2

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12.4. Mobility in soil

No assessment has been made.

12.5. Results of PBT and vPvB assessment

No assessment has been made.

12.6. Other adverse effects

No information available

Other Information

Avoid discharge into drains, water or soil.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Category of waste: 08 04 09* waste adhesives and sealants containing organic solvents or other hazardous substances

15 01 10* packaging containing residues of or contaminated by hazardous substances

SECTION 14: Transport information

14.1. UN-No.: Not applicable.

14.2. UN proper shipping name: Not applicable.

14.3. Transport hazard class(es): Not applicable.

14.4. Packing group: Not applicable.

14.5. Environmental hazards: Not applicable.

14.6. Special precautions for user

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

Special Provisions: Safety, health and environmental regulations / legislation specific for the substance or mixture. EU Regulation (EC) No 1907/2006 (REACH).

EU-REACH (1907/2006) - Candidate List of Substances of Very High Concern (SVHC) for Authorization in accordance with Article 59.
The product does not contain SVHC substances.

EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction: None of the components are listed.

EU-REACH (1907/2006) - Annex XIV - List of substances subject to authorisation: None of the components are listed.

Authorisations / limitations: Observe local regulations.

Check whether measures in accordance with Directive 94/33/EC for the protection of young

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people at work must be taken.

15.2. Chemical Safety Assessment

Other Information: Not established.

SECTION 16: Other information

Vendor notes:

Version 1.

The information in this SDS is based on our current knowledge and on current EU and national laws. The product should not be used for other purposes than those specified under section 1 without first obtaining written handling instruction. It is always the user who has full responsibility to comply with the requirements of current legislation. The information in this SDS is meant as a description of safety requirements for the product and not a guarantee of product properties.

Date:

23/05/2019

List of relevant H-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.

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