

SAFETY DATA SHEET

Based upon Regulation (EC) No 1907/2006, as amended by Regulation (EU) No 2020/878

Q-fix 120 B

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

1.1. Product identifier

Product name : Q-fix 120 B
Registration number REACH : Not applicable (mixture)
Product type REACH : Mixture

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

1.2.1 Relevant identified uses

Sealant
Hardener

1.2.2 Uses advised against

No uses advised against

1.3. Details of the supplier of the safety data sheet

Supplier of the safety data sheet

Novatio*
Industrielaan 5B
B-2250 Olen
☎ +32 14 25 76 40
✉ +32 14 22 02 66
info@novatio.be
*NOVATIO is a registered trademark of Novatech International N.V.

Manufacturer of the product

Novatech International N.V.
Industrielaan 5B
B-2250 Olen
☎ +32 14 85 97 37
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info@novatech.be

1.4. Emergency telephone number

24h/24h (Telephone advice: English, French, German, Dutch) :
+32 14 58 45 45 (BIG)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

Class	Category	Hazard statements
Skin Sens.	category 1	H317: May cause an allergic skin reaction.
Eye Irrit.	category 2	H319: Causes serious eye irritation.

2.2. Label elements



Contains: dibenzoyl peroxide.

Signal word Warning

H-statements

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

P-statements

P280 Wear protective gloves, protective clothing and eye protection/face protection.
P264 Wash hands thoroughly after handling.
P302 + P352 IF ON SKIN: Wash with plenty of water and soap.
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 If eye irritation persists: Get medical advice/attention.

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2.3. Other hazards

Caution! Substance is absorbed through the skin

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name REACH Registration No	CAS No EC No	Conc. (C)	Classification according to CLP	Note	Remark	M-factors and ATE
dibenzoyl peroxide 01-2119511472-50	94-36-0 202-327-6	5%≤C<15%	Org. Perox. B; H241 Skin Sens. 1; H317 Eye Irrit. 2; H319 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	(1)(2)(6)(10)	Constituent	M: 10 (Acute, ECHA (registration dossier)) M: 10 (Chronic, ECHA (registration dossier))
glycerol	56-81-5 200-289-5	C>1%		(2)	Mono-constituent	
Quartz (SiO ₂)	14808-60-7 238-878-4	1%≤C<5%	STOT RE 1; H372	(5)(1)(2)	Constituent	

- (1) For H- and EUH-statements in full: see section 16
(2) Substance with a Community workplace exposure limit
(5) This component is physically bound in the product
(6) Enumerated in Annex VI of Regulation (EC) No. 1272/2008 but the classification has been adapted after evaluation of available test data
(10) Subject to restrictions of Annex XVII of Regulation (EC) No. 1907/2006

SECTION 4: First aid measures

4.1. Description of first aid measures

General:

Observe (own) safety. If possible, approach victim and check vital functions. In case of injury and/or intoxication, call the European emergency number 112. Treat symptoms starting with most life-threatening injuries and disorders. Keep victim under observation, possibility of delayed symptoms.

After inhalation:

Remove victim into fresh air. In case of respiratory problems, consult a doctor/medical service.

After skin contact:

If possible, wipe up/dry remove chemical. Then rinse/shower immediately with (lukewarm) water. If irritation persists, consult a doctor/medical service.

After eye contact:

Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, consult a doctor/medical service.

After ingestion:

Rinse mouth with water. If you feel unwell, consult a doctor/medical service. Do not wait for symptoms to occur to consult Poison Center.

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

4.2.1 Acute symptoms

After inhalation:

No effects known.

After skin contact:

No effects known.

After eye contact:

Irritation of the eye tissue.

After ingestion:

No effects known.

4.2.2 Delayed symptoms

No effects known.

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

If applicable and available it will be listed below.

SECTION 5: Firefighting measures

5.1. Extinguishing media

5.1.1 Suitable extinguishing media:

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Small fire: Quick-acting ABC powder extinguisher, Quick-acting BC powder extinguisher, Quick-acting class B foam extinguisher, Quick-acting CO2 extinguisher.

Major fire: Class B foam (not alcohol-resistant).

5.1.2 Unsuitable extinguishing media:

Small fire: Water (quick-acting extinguisher, reel); risk of puddle expansion.

Major fire: Water; risk of puddle expansion.

5.2. Special hazards arising from the substance or mixture

Upon combustion: CO and CO2 are formed.

5.3. Advice for firefighters

5.3.1 Instructions:

No specific fire-fighting instructions required.

5.3.2 Special protective equipment for fire-fighters:

Gloves (EN 374). Safety glasses (EN 166). Protective clothing (EN 14605 or EN 13034). Heat/fire exposure: self-contained breathing apparatus (EN 136 + EN 137).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No naked flames. Exposure to fire/heat: keep upwind. Exposure to fire/heat: have neighbourhood close doors and windows.

6.1.1 Protective equipment for non-emergency personnel

See section 8.2

6.1.2 Protective equipment for emergency responders

Gloves (EN 374). Safety glasses (EN 166). Protective clothing (EN 14605 or EN 13034).

Suitable protective clothing

See section 8.2

6.2. Environmental precautions

Contain released product.

6.3. Methods and material for containment and cleaning up

Solid spill: cover with absorbent material. Scoop solid spill into closing containers. Clean contaminated surfaces with an excess of water.

Wash clothing and equipment after handling.

6.4. Reference to other sections

See section 13.

SECTION 7: Handling and storage

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

7.1. Precautions for safe handling

Keep away from naked flames/heat. Observe very strict hygiene - avoid contact. Remove contaminated clothing immediately. Keep container tightly closed.

7.2. Conditions for safe storage, including any incompatibilities

7.2.1 Safe storage requirements:

Storage temperature: 5 °C - 25 °C. Meet the legal requirements. Store in a cool area. Store in a dry area. Store in a dark area. Keep container in a well-ventilated place. Keep only in the original container. Keep container tightly closed.

7.2.2 Keep away from:

Heat sources, oxidizing agents.

7.2.3 Suitable packaging material:

No data available

7.2.4 Non suitable packaging material:

No data available

7.3. Specific end use(s)

If applicable and available, exposure scenarios are attached in annex. See information supplied by the manufacturer.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 Occupational exposure

a) Occupational exposure limit values

If limit values are applicable and available these will be listed below.

Belgium

Glycérine (brouillard)	Time-weighted average exposure limit 8 h	10 mg/m ³
Peroxyde de dibenzoyl	Time-weighted average exposure limit 8 h	5 mg/m ³

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France

Glycérine (aérosols de)	Time-weighted average exposure limit 8 h (VL: Valeur non réglementaire indicative)	10 mg/m ³
Peroxyde de dibenzoyl	Time-weighted average exposure limit 8 h (VL: Valeur non réglementaire indicative)	5 mg/m ³

Germany

Dibenzoylperoxid	Time-weighted average exposure limit 8 h (TRGS 900)	1 mg/m ³ (1)
	Time-weighted average exposure limit 8 h (TRGS 900)	4 mg/m ³ (2)
Glycerin	Time-weighted average exposure limit 8 h (TRGS 900)	200 mg/m ³ (3)

(1) Alveolengängige Fraktion; UF: 4 (II)

(2) Einatembare Fraktion; UF: 2 (I)

(3) Einatembare Fraktion; UF: 2 (I)

Austria

Dibenzoylperoxid	Tagesmittelwert (MAK)	5 mg/m ³ (1)
	Kurzzeitwert 5(Mow) 8x (MAK)	10 mg/m ³ (1)

(1) Einatembare Fraktion

UK

Dibenzoyl peroxide	Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	5 mg/m ³
Glycerol, mist	Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	10 mg/m ³

USA (TLV-ACGIH)

Benzoyl peroxide	Time-weighted average exposure limit 8 h (TLV - Adopted Value)	5 mg/m ³
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b) National biological limit values

If limit values are applicable and available these will be listed below.

8.1.2 Sampling methods

Product name	Test	Number
Benzoyl Peroxide	NIOSH	5009
Glycerin Mist (Particulates)	NIOSH	0600

8.1.3 Applicable limit values when using the substance or mixture as intended

If limit values are applicable and available these will be listed below.

8.1.4 Threshold values

DNEL/DMEL - Workers

dibenzoyl peroxide

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term systemic effects inhalation	39 mg/m ³	
	Long-term systemic effects dermal	34.3 mg/kg bw/day	

DNEL/DMEL - General population

dibenzoyl peroxide

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term systemic effects inhalation	3.5 mg/m ³	
	Long-term systemic effects dermal	17 mg/kg bw/day	
	Long-term systemic effects oral	2 mg/kg bw/day	

PNEC

dibenzoyl peroxide

Compartments	Value	Remark
Fresh water	0.02 µg/l	
Marine water	0.002 µg/l	
Fresh water (intermittent releases)	0.602 µg/l	
STP	0.35 mg/l	
Fresh water sediment	0.013 mg/kg sediment dw	
Marine water sediment	0.001 mg/kg sediment dw	
Soil	0.003 mg/kg soil dw	

8.1.5 Control banding

If applicable and available it will be listed below.

8.2. Exposure controls

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

8.2.1 Appropriate engineering controls

Keep away from naked flames/heat. Measure the concentration in the air regularly. Carry operations in the open/under local exhaust/ventilation or with respiratory protection.

8.2.2 Individual protection measures, such as personal protective equipment

Observe very strict hygiene - avoid contact. Do not eat, drink or smoke during work.

a) Respiratory protection:

Full face mask with filter type A at conc. in air > exposure limit.

b) Hand protection:

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Protective gloves against chemicals (EN 374).

Materials	Measured breakthrough time	Thickness	Protection index	Remark
nitrile rubber	> 480 minutes	≥ 0.2 mm	Class 6	

c) Eye protection:

Safety glasses (EN 166).

d) Skin protection:

Protective clothing (EN 14605 or EN 13034).

8.2.3 Environmental exposure controls:

See sections 6.2, 6.3 and 13

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical form	Paste
Colour	Black
Odour	Characteristic odour
Odour threshold	No data available in the literature
Melting point	No data available in the literature
Boiling point	No data available in the literature
Flammability	Not classified as flammable
Explosion limits	No data available in the literature
Flash point	Not applicable (solid)
Auto-ignition temperature	No data available in the literature
Decomposition temperature	> 35 °C
pH	Not applicable (non-soluble in water)
Kinematic viscosity	No data available in the literature
Dynamic viscosity	No data available in the literature
Solubility	Water ; insoluble
Log Kow	Not applicable (mixture)
Vapour pressure	No data available in the literature
Absolute density	1590 kg/m ³ ; 20 °C
Relative density	1.59 ; 20 °C
Relative vapour density	No data available in the literature
Particle size	No data available in the literature

9.2. Other information

SADT	> 60 °C
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SECTION 10: Stability and reactivity

10.1. Reactivity

Heating increases the fire hazard.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Reacts with (strong) oxidizers.

10.4. Conditions to avoid

Precautionary measures

Keep away from naked flames/heat.

10.5. Incompatible materials

Oxidizing agents.

10.6. Hazardous decomposition products

Upon combustion: CO and CO₂ are formed.

SECTION 11: Toxicological information

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

11.1.1 Test results

Acute toxicity

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No (test)data on the mixture available

Judgement is based on the relevant ingredients

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dibenzoyl peroxide

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LC0	OECD 401	> 2000 mg/kg bw		Mouse (male / female)	Experimental value	
Dermal						Data waiving	
Inhalation (dust)	LC0	Equivalent to OECD 403	> 24.3 mg/l air	4 h	Rat (male)	Experimental value	(maximum achievable concentration)

glycerol

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50	OECD 401	27200 mg/kg		Rat (female)	Experimental value	
Dermal	LD50		56750 mg/kg	4 day(s)	Guinea pig (male / female)	Experimental value	
Inhalation (mist)	LC50	Equivalent to OECD 412	> 5.85 mg/l	4 h	Rat (male / female)	Experimental value	

Conclusion

Not classified for acute toxicity

Corrosion/irritation

Q-fix 120 B

No (test)data on the mixture available

Classification is based on the relevant ingredients

dibenzoyl peroxide

Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Eye	Moderately irritating	21 CFR 191.11	24 h	1; 24; 48; 72 hrs; 7 days	Rabbit	Experimental value	Single treatment without rinsing
Eye	Irritating; category 2						
Skin	Not irritating	Equivalent to OECD 404	4 h	24; 48; 72 hours	Rabbit	Experimental value	

glycerol

Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Eye	Not irritating	Draize Test		1; 24; 72 hours	Rabbit	Experimental value	Single treatment
Skin	Not irritating		24 h		Rabbit	Experimental value	

Conclusion

Causes serious eye irritation.

Not classified as irritating to the skin

Not classified as irritating to the respiratory system

Respiratory or skin sensitisation

Q-fix 120 B

No (test)data on the mixture available

Classification is based on the relevant ingredients

dibenzoyl peroxide

Route of exposure	Result	Method	Exposure time	Observation time point	Species	Value determination	Remark
Dermal (on the ears)	Sensitizing	Equivalent to OECD 429			Mouse (female)	Experimental value	

glycerol

Route of exposure	Result	Method	Exposure time	Observation time point	Species	Value determination	Remark
Dermal (on the ears)	Not sensitizing	Equivalent to OECD 429			Mouse (female)	Experimental value	
Skin	Not sensitizing	Human observation			Human	Experimental value	

Conclusion

May cause an allergic skin reaction.

Not classified as sensitizing for inhalation

Specific target organ toxicity

Q-fix 120 B

No (test)data on the mixture available

Judgement is based on the relevant ingredients

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BIG number: 45229

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dibenzoyl peroxide

Route of exposure	Parameter	Method	Value	Organ/Effect	Exposure time	Species	Value determination	Remark
Oral (stomach tube)	NOEL	OECD 422	500 mg/kg bw/day	No effect		Rat (male)	Experimental value	
Oral (stomach tube)	NOEL	OECD 422	1000 mg/kg bw/day	No effect		Rat (female)	Experimental value	
Dermal	NOAEL systemic effects	OECD 451	> 833 mg/kg bw/day	No adverse systemic effects	104 weeks (7 days / week)	Mouse (male / female)	Experimental value	

glycerol

Route of exposure	Parameter	Method	Value	Organ/Effect	Exposure time	Species	Value determination	Remark
Oral (diet)	NOAEL	Equivalent to OECD 452	> 8000 mg/kg bw/day	No effect	2 year(s)	Rat (male / female)	Experimental value	
Dermal	NOEL	Subchronic toxicity test	5040 mg/kg bw/day	No effect	45 weeks (8h / day, 5 days / week)	Rabbit	Experimental value	
Inhalation (aerosol)	NOAEC	Equivalent to OECD 413	662 mg/m ³ air	No effect	13 weeks (6h / day, 5 days / week)	Rat (male / female)	Experimental value	

Conclusion

Not classified for subchronic toxicity

Mutagenicity (in vitro)

Q-fix 120 B

No (test)data on the mixture available

Judgement is based on the relevant ingredients

dibenzoyl peroxide

Result	Method	Test substrate	Effect	Value determination	Remark
Negative with metabolic activation, negative without metabolic activation	OECD 476	Mouse (lymphoma L5178Y cells)		Experimental value	
Negative with metabolic activation, negative without metabolic activation	Equivalent to OECD 471	Bacteria (S.typhimurium)		Experimental value	

glycerol

Result	Method	Test substrate	Effect	Value determination	Remark
Negative with metabolic activation, negative without metabolic activation	Equivalent to OECD 471	Bacteria (S.typhimurium)	No effect	Experimental value	
Negative with metabolic activation, negative without metabolic activation	Equivalent to OECD 476	Chinese hamster ovary (CHO)	No effect	Experimental value	

Mutagenicity (in vivo)

Q-fix 120 B

No (test)data on the mixture available

Judgement is based on the relevant ingredients

dibenzoyl peroxide

Result	Method	Exposure time	Test substrate	Organ/Effect	Value determination	Remark
Negative (Intraperitoneal)	OECD 474	2 dose(s)/24-hour interval	Mouse (male)	No effect	Experimental value	

glycerol

Result	Method	Exposure time	Test substrate	Organ/Effect	Value determination	Remark
					Data waiving	

Conclusion

Not classified for mutagenic or genotoxic toxicity

Carcinogenicity

Q-fix 120 B

No (test)data on the mixture available

Judgement is based on the relevant ingredients

Reason for revision: 2; 5; 6;; 7; 8; 9; 10; 11; 12; 15

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dibenzoyl peroxide

Route of exposure	Parameter	Method	Value	Organ/Effect	Exposure time	Species	Value determination	Remark
Dermal	NOEL	Equivalent to OECD 451	> 45 mg/kg bw/day	No carcinogenic effect	104 weeks (7 days / week)	Rat (male / female)	Experimental value	
Oral (diet)	NOEL	Carcinogenic toxicity study	112 mg/kg bw/day - 140 mg/kg bw/day	No carcinogenic effect	120 week(s)	Rat (male / female)	Experimental value	

glycerol

Route of exposure	Parameter	Method	Value	Organ/Effect	Exposure time	Species	Value determination	Remark
Oral (diet)	Dose level	Carcinogenic toxicity study	8000 mg/kg bw/day - 10000 mg/kg bw/day	No carcinogenic effect	2 year(s)	Rat (male / female)	Experimental value	

Conclusion

Not classified for carcinogenicity

Reproductive toxicity

Q-fix 120 B

No (test)data on the mixture available

Judgement is based on the relevant ingredients

dibenzoyl peroxide

Category	Parameter	Method	Value	Exposure time	Species	Effect	Value determination	Remark
Developmental toxicity (Oral (stomach tube))	NOAEL	OECD 414	300 mg/kg bw/day	15 days (gestation, daily)	Rat	No effect	Experimental value	
Maternal toxicity (Oral (stomach tube))	NOAEL	OECD 414	300 mg/kg bw/day	15 days (gestation, daily)	Rat	No effect	Experimental value	
Effects on fertility (Oral (stomach tube))	LOEL	OECD 422	≥ 1000 mg/kg bw/day	29 day(s) - 51 day (s)	Rat (male / female)	No effect	Experimental value	

glycerol

Category	Parameter	Method	Value	Exposure time	Species	Effect	Value determination	Remark
Developmental toxicity (Oral (stomach tube))	NOAEL	Equivalent to OECD 414	> 1310 mg/kg bw/day	10 days (gestation, daily)	Rat	Foetus (no effect)	Experimental value	
Maternal toxicity (Oral (stomach tube))	NOAEL	Equivalent to OECD 414	> 1310 mg/kg bw/day	10 days (gestation, daily)	Rat	No effect	Experimental value	
Effects on fertility (Oral (stomach tube))	NOAEL		> 2000 mg/kg bw/day		Rat (male / female)	No effect	Experimental value	

Conclusion

Not classified for reprotoxic or developmental toxicity

Aspiration hazard

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Judgement is based on the relevant ingredients

Not classified for aspiration toxicity

Toxicity other effects

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No (test)data on the mixture available

Chronic effects from short and long-term exposure

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Skin rash/inflammation.

11.2. Information on other hazards

No evidence of endocrine disrupting properties

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SECTION 12: Ecological information

12.1. Toxicity

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	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LC50	OECD 203	> 500 mg/l		Danio rerio			Experimental value
Acute toxicity crustacea	EC50	OECD 202	> 500 mg/l	48 h	Daphnia magna			Experimental value
Toxicity algae and other aquatic plants	IC50	OECD 201	150 mg/l	72 h	Desmodesmus subspicatus			Experimental value
	IC10	OECD 201	30 mg/l	72 h	Desmodesmus subspicatus			Experimental value

Judgement of the mixture is based on test data on the mixture as a whole
dibenzoyl peroxide

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LC50	OECD 203	0.06 mg/l	96 h	Oncorhynchus mykiss	Semi-static system	Fresh water	Experimental value; GLP
Acute toxicity crustacea	EC50	OECD 202	0.11 mg/l	48 h	Daphnia magna	Static system	Fresh water	Experimental value; Locomotor effect
Toxicity algae and other aquatic plants	ErC50	OECD 201	0.071 mg/l	72 h	Pseudokirchneriella subcapitata	Static system	Fresh water	Experimental value; Measured concentration
	NOEC	OECD 201	0.02 mg/l	72 h	Pseudokirchneriella subcapitata	Static system	Fresh water	Experimental value; Growth rate
Long-term toxicity aquatic crustacea	EC10	OECD 211	0.001 mg/l	21 day(s)	Daphnia magna	Semi-static system	Fresh water	Experimental value; Reproduction
Toxicity aquatic micro-organisms	EC50	OECD 209	35 mg/l	30 minutes	Activated sludge	Static system	Fresh water	Experimental value; Nominal concentration

glycerol

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LC50		54000 mg/l	96 h	Oncorhynchus mykiss	Static system	Fresh water	Experimental value; Nominal concentration
Acute toxicity crustacea	EC50		> 10000 mg/l	24 h	Daphnia magna	Static system	Fresh water	Experimental value; Locomotor effect
Toxicity algae and other aquatic plants	EC50		2900 mg/l	8 day(s)	Algae		Fresh water	Literature study
Long-term toxicity fish	NOEC		724000 mg/l		Pisces			QSAR; Nominal concentration
Long-term toxicity aquatic crustacea	NOEC		897 mg/l		Daphnia magna			QSAR; Nominal concentration
Toxicity aquatic micro-organisms	Toxicity threshold		> 10000 mg/l	16 h	Pseudomonas putida	Static system	Fresh water	Experimental value; Growth

Conclusion

Not classified as dangerous for the environment according to the criteria of Regulation (EC) No 1272/2008

12.2. Persistence and degradability

dibenzoyl peroxide

Biodegradation water

Method	Value	Duration	Value determination
OECD 301D	71 %; Oxygen consumption	28 day(s)	Experimental value

Half-life water (t1/2 water)

Method	Value	Primary degradation/mineralisation	Value determination
OECD 111	< 1 day(s); GLP	Primary degradation	Experimental value

glycerol

Biodegradation water

Method	Value	Duration	Value determination
	94 %; Activated sludge	24 h	Experimental value

Conclusion

Water

Contains readily biodegradable component(s)

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12.3. Bioaccumulative potential

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Log Kow

Method	Remark	Value	Temperature	Value determination
	Not applicable (mixture)			

dibenzoyl peroxide

Log Kow

Method	Remark	Value	Temperature	Value determination
OECD 117		3.2	22 °C	Experimental value

glycerol

Log Kow

Method	Remark	Value	Temperature	Value determination
Equivalent to OECD 107		-1.8	25 °C	Experimental value

Conclusion

Does not contain bioaccumulative component(s)

12.4. Mobility in soil

dibenzoyl peroxide

(log) Koc

Parameter	Method	Value	Value determination
log Koc	OECD 121	3.8	Experimental value

glycerol

(log) Koc

Parameter	Method	Value	Value determination
log Koc	SRC PCKOCWIN v2.0	0	Calculated value

Conclusion

Contains component(s) with potential for mobility in the soil

Contains component(s) that adsorb(s) into the soil

12.5. Results of PBT and vPvB assessment

Does not contain component(s) that meet(s) the criteria of PBT and/or vPvB as listed in Annex XIII of Regulation (EC) No 1907/2006.

12.6. Endocrine disrupting properties

No evidence of endocrine disrupting properties

12.7. Other adverse effects

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Greenhouse gases

None of the known components is included in the list of fluorinated greenhouse gases (Regulation (EU) No 2024/573)

Ozone-depleting potential (ODP)

Not classified as dangerous for the ozone layer (Regulation (EC) No 2024/590)

dibenzoyl peroxide

Greenhouse gases

Not included in the list of fluorinated greenhouse gases (Regulation (EU) No 2024/573)

Ozone-depleting potential (ODP)

Not classified as dangerous for the ozone layer (Regulation (EC) No 2024/590)

glycerol

Greenhouse gases

Not included in the list of fluorinated greenhouse gases (Regulation (EU) No 2024/573)

Ozone-depleting potential (ODP)

Not classified as dangerous for the ozone layer (Regulation (EC) No 2024/590)

Groundwater

Groundwater pollutant

SECTION 13: Disposal considerations

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

13.1. Waste treatment methods

13.1.1 Provisions relating to waste

European Union

Hazardous waste according to Directive 2008/98/EC, as amended by Regulation (EU) No 1357/2014 and Regulation (EU) No 2017/997.

Waste material code (Directive 2008/98/EC, Decision 2000/0532/EC).

08 04 09* (wastes from MFSU of adhesives and sealants (including waterproofing products): waste adhesives and sealants containing organic solvents or other hazardous substances). Depending on branch of industry and production process, also other waste codes may be applicable.

13.1.2 Disposal methods

Reason for revision: 2; 5; 6;; 7; 8; 9; 10; 11; 12; 15

Publication date: 2007-09-24

Date of revision: 2025-06-19

Revision number: 0700

BIG number: 45229

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Remove waste in accordance with local and/or national regulations. Hazardous waste shall not be mixed together with other waste. Different types of hazardous waste shall not be mixed together if this may entail a risk of pollution or create problems for the further management of the waste. Hazardous waste shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution or damage to people or animals. Do not discharge into drains or the environment. Dispose of at authorized waste collection point.

13.1.3 Packaging/Container

European Union

Waste material code packaging (Directive 2008/98/EC).

15 01 10* (packaging containing residues of or contaminated by dangerous substances).

SECTION 14: Transport information

Road (ADR), Rail (RID), Inland waterways (ADN), Sea (IMDG/IMSBC), Air (ICAO-TI/IATA-DGR)

14.1. UN number or ID number

Transport	Not subject
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14.2. UN proper shipping name

14.3. Transport hazard class(es)

Hazard identification number	
Class	
Classification code	

14.4. Packing group

Packing group	
Labels	

14.5. Environmental hazards

Environmentally hazardous substance mark	no
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14.6. Special precautions for user

Special provisions	
Limited quantities	

14.7. Maritime transport in bulk according to IMO instruments

Annex II of MARPOL 73/78	Not applicable, based on available data
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SECTION 15: Regulatory information

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

European legislation:

VOC content Directive 2010/75/EU

VOC content	Remark
6.9 %	
109.7 g/l	

Directive 2012/18/EU (Seveso III)

Not subject to registration according to Directive 2012/18/EU (Seveso III)

REACH Candidate list

Does not contain component(s) included in candidate list of substances of very high concern (SVHC) for authorisation (Article 59 of Regulation (EC) No 1907/2006)

REACH Annex XIV - Authorisation

Does not contain component(s) included in Annex XIV of Regulation (EC) No 1907/2006: list of substances subject to authorisation

REACH Annex XVII - Restriction

Contains component(s) subject to restrictions of Annex XVII of Regulation (EC) No 1907/2006: restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles.

	Designation of the substance, of the group of substances or of the mixture	Conditions of restriction
dibenzoyl peroxide	Substances falling within one or more of the following points: (a) substances classified as any of the following in Part 3 of Annex VI to Regulation (EC) No 1272/2008: — carcinogen category 1A, 1B or 2, or germ cell mutagen category 1A, 1B or 2, but excluding any such substances classified due to effects only following exposure by inhalation — reproductive toxicant category 1A, 1B or 2 but excluding any such substances classified due to effects only following exposure by inhalation — skin sensitiser category 1, 1A or 1B — skin corrosive category 1, 1A, 1B or 1C or skin irritant category 2 — serious eye damage category 1 or eye irritant category 2 (b) substances listed in Annex II to Regulation	Mixtures for tattooing purposes are subject to the restrictions of Regulation (EU) 2020/2081

Reason for revision: 2; 5; 6;; 7; 8; 9; 10; 11; 12; 15

Publication date: 2007-09-24

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Revision number: 0700

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(EC) No 1223/2009 of the European Parliament and of the Council
(c) substances listed in Annex IV to Regulation (EC) No 1223/2009 for which a condition is specified in at least one of the columns g, h and i of the table in that Annex (d) substances listed in Appendix 13 to this Annex.
The ancillary requirements in paragraphs 7 and 8 of column 2 of this entry apply to all mixtures for use for tattooing purposes, whether or not they contain a substance falling within points (a) to (d) of this column of this entry.

National legislation Belgium

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No data available

Quartz (SiO₂)

Additional classification	Silices cristallines: quartz; C; La mention "C" signifie que l'agent en question relève du champ d'application de l'arrêté royal du 2 décembre 1993 concernant la protection des travailleurs contre les risques liés à l'exposition à des agents cancérogènes et mutagènes et reprotoxiques au travail.
Agents cancérogènes, mutagènes et reprotoxiques et aux agents possédant des propriétés perturbant le système endocrinien (Code du bien-être au travail, Livre VI, titre 2)	silice cristalline alvéolaire; VI.2.3.; Liste non limitative de substances, mélanges et procédés visés à l'article VI.2-1, alinéa 3

National legislation The Netherlands

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Waterbezwaarlijkheid	B (1); Algemene Beoordelingsmethodiek (ABM)
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National legislation France

Q-fix 120 B

No data available

National legislation Germany

Q-fix 120 B

WGK	1; Classification water polluting according to external literature source
dibenzoyl peroxide	
TA-Luft	5.2.5/I
TRGS900 - Risiko der Fruchtschädigung	Dibenzoylperoxid; Y; Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Grenzwertes nicht befürchtet zu werden
	Dibenzoylperoxid; Y; Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Grenzwertes nicht befürchtet zu werden
glycerol	
TA-Luft	5.2.5
TRGS900 - Risiko der Fruchtschädigung	Glycerin; Y; Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Grenzwertes nicht befürchtet zu werden

National legislation Austria

Q-fix 120 B

No data available

dibenzoyl peroxide

Gefahr der Sensibilisierung der Haut	Dibenzoylperoxid; Sh
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National legislation United Kingdom

Q-fix 120 B

No data available

Other relevant data

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No data available

dibenzoyl peroxide

TLV - Carcinogen	Benzoyl peroxide; A4
IARC - classification	3; Benzoyl peroxide

15.2. Chemical safety assessment

No chemical safety assessment is required for a mixture.

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SECTION 16: Other information

Full text of any H- and EUH-statements referred to under section 3:

- H241 Heating may cause a fire or explosion.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H372 Causes damage to organs through prolonged or repeated exposure if inhaled.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.

(*)	INTERNAL CLASSIFICATION BY BIG
ADI	Acceptable daily intake
AOEL	Acceptable operator exposure level
ATE	Acute Toxicity Estimate
BCF	Bioconcentration Factor
BEI	Biological Exposure Indices
CLP (EU-GHS)	Classification, labelling and packaging (Globally Harmonised System in Europe)
DMEL	Derived Minimal Effect Level
DNEL	Derived No Effect Level
EC10	Effect Concentration 10 %
EC50	Effect Concentration 50 %
ErC50	EC50 in terms of reduction of growth rate
GLP	Good Laboratory Practice
LC0	Lethal Concentration 0 %
LC50	Lethal Concentration 50 %
LD50	Lethal Dose 50 %
LOAEC/LOAEL	Lowest Observed Adverse Effect Concentration/Lowest Observed Adverse Effect Level
NOAEC/NOAEL	No Observed Adverse Effect Concentration/No Observed Adverse Effect Level
NOEC/NOEL	No Observed Effect Concentration/No Observed Effect Level
OECD	Organisation for Economic Co-operation and Development
PBT	Persistent, Bioaccumulative & Toxic
PNEC	Predicted No Effect Concentration
STP	Sludge Treatment Process
vPvB	very Persistent & very Bioaccumulative

The information in this safety data sheet is based on data and samples provided to BIG. The sheet was written to the best of our ability and according to the state of knowledge at that time. The safety data sheet only constitutes a guideline for the safe handling, use, consumption, storage, transport and disposal of the substances/preparations/mixtures mentioned under point 1. New safety data sheets are written from time to time. Only the most recent versions may be used. Unless indicated otherwise word for word on the safety data sheet, the information does not apply to substances/preparations/mixtures in purer form, mixed with other substances or in processes. The safety data sheet offers no quality specification for the substances/preparations/mixtures in question. Compliance with the instructions in this safety data sheet does not release the user from the obligation to take all measures dictated by common sense, regulations and recommendations or which are necessary and/or useful based on the real applicable circumstances. BIG does not guarantee the accuracy or exhaustiveness of the information provided and cannot be held liable for any changes by third parties. This safety data sheet is only to be used within the European Union, Switzerland, Iceland, Norway and Liechtenstein. Any use outside of this area is at your own risk. Use of this safety data sheet is subject to the licence and liability limiting conditions as stated in your BIG licence agreement or when this is failing the general conditions of BIG. All intellectual property rights to this sheet are the property of BIG and its distribution and reproduction are limited. Consult the mentioned agreement/conditions for details.