

# 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  
☎ +32 14 85 97 38  
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.

Created by: Brandweerinformatiecentrum voor gevaarlijke stoffen vzw (BIG)

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Reason for revision: 3, 9, 12

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## 2.3. Other hazards

No other hazards known

## 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 <sub>2</sub> )	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). Protective goggles (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.

#### 6.1.1 Protective equipment for non-emergency personnel

See section 8.2

#### 6.1.2 Protective equipment for emergency responders

Gloves (EN 374). Protective goggles (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. 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. Meet the legal requirements.

#### 7.2.2 Keep away from:

Heat sources, oxidizing agents, water/moisture.

#### 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 <sup>3</sup>
Peroxyde de dibenzoyle	Time-weighted average exposure limit 8 h	5 mg/m <sup>3</sup>

#### France

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

## Germany

Dibenzoylperoxid	Time-weighted average exposure limit 8 h (TRGS 900)	5 mg/m <sup>3</sup>
Glycerin	Time-weighted average exposure limit 8 h (TRGS 900)	200 mg/m <sup>3</sup>

## Austria

Dibenzoylperoxid	Tagesmittelwert (MAK)	5 mg/m <sup>3</sup>
	Kurzzeitwert 5(Mow) 8x (MAK)	10 mg/m <sup>3</sup>

## UK

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

## USA (TLV-ACGIH)

Benzoyl peroxide	Time-weighted average exposure limit 8 h (TLV - Adopted Value)	5 mg/m <sup>3</sup>
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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 <sup>3</sup>	
	Long-term systemic effects dermal	13.3 mg/kg bw/day	
	Long-term local effects dermal	34 µg/cm <sup>2</sup>	

##### glycerol

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term local effects inhalation	220 mg/m <sup>3</sup>	

#### DNEL/DMEL - General population

##### dibenzoyl peroxide

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term systemic effects oral	2 mg/kg bw/day	

##### glycerol

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term local effects inhalation	132 mg/m <sup>3</sup>	

#### 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	

##### glycerol

Compartments	Value	Remark
Marine water	0.088 mg/l	
STP	1000 mg/l	
Marine water sediment	0.33 mg/kg sediment 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

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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:**

Protective gloves against chemicals (EN 374).

Materials	Measured breakthrough time	Thickness	Protection index	Remark
nitrile rubber	> 480 minutes	0.5 mm	Class 6	

**c) Eye protection:**

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

### 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, water/moisture.

### 10.6. Hazardous decomposition products

Upon combustion: CO and CO<sub>2</sub> are formed.

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## 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

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)	LC50	Equivalent to OECD 403	> 24.3 mg/l air	4 h	Rat (male)	Experimental value	

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 (aerosol)	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	Not sensitizing	Equivalent to OECD 429			Mouse (female)	Experimental value	
Skin	Not sensitizing	Human observation			Human	Experimental value	

Reason for revision: 3, 9, 12

Publication date: 2007-09-24

Date of revision: 2022-10-26

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## Conclusion

May cause an allergic skin reaction.  
Not classified as sensitizing for inhalation

## Specific target organ toxicity

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No (test)data on the mixture available

Because of the form in which the mixture is placed on the market, the risk by inhalation is negligible

#### dibenzoyl peroxide

Route of exposure	Parameter	Method	Value	Organ	Effect	Exposure time	Species	Value determination
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
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 <sup>3</sup> 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	Value determination
Negative (Intraperitoneal)	OECD 474	2 dose(s)/24-hour interval	Mouse (male)		Experimental value

#### glycerol

Result	Method	Exposure time	Test substrate	Organ	Value determination
					Data waiving

## Conclusion

Not classified for mutagenic or genotoxic toxicity

## Carcinogenicity

Reason for revision: 3, 9, 12

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Date of revision: 2022-10-26

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## Q-FIX 120 B

No (test) data on the mixture available  
Judgement is based on the relevant ingredients  
dibenzoyl peroxide

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

## glycerol

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

	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
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

	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
Developmental toxicity (Oral (stomach tube))	NOAEL	Equivalent to OECD 414	> 1310 mg/kg bw/day	10 days (gestation, daily)	Rat	No effect	Foetus	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	8 weeks (daily) - 12 weeks (daily)	Rat (male / female)	No effect		Experimental value

## Conclusion

Not classified for reprotoxic or developmental toxicity

## Aspiration hazard

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; GLP
	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; Lethal
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		Algae			
Long-term toxicity fish	NOEC		724000 mg/l		Pisces			Estimated value
Long-term toxicity aquatic crustacea	NOEC		897 mg/l		Daphnia magna			Estimated value; 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 %; GLP	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 %	24 h	Experimental value

### Conclusion

#### Water

Contains readily biodegradable component(s)

### 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		-1.75	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 517/2014)

### Ozone-depleting potential (ODP)

Not classified as dangerous for the ozone layer (Regulation (EC) No 1005/2009)

### Groundwater

Groundwater pollutant

glycerol

### 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

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).

Reason for revision: 3, 9, 12

Publication date: 2007-09-24

Date of revision: 2022-10-26

Revision number: 0600

BIG number: 45229

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## SECTION 14: Transport information

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

14.1. UN number	Transport	Not subject
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
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

## 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
4.3 %	
68.4 g/l	

Directive 2012/18/EU (Seveso III)

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

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	<p>Substances falling within one or more of the following points:</p> <p>(a) substances classified as any of the following in Part 3 of Annex VI to Regulation (EC) No 1272/2008:</p> <ul style="list-style-type: none"> <li>— 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</li> <li>— reproductive toxicant category 1A, 1B or 2 but excluding any such substances classified due to effects only following exposure by inhalation</li> <li>— skin sensitiser category 1, 1A or 1B</li> <li>— skin corrosive category 1, 1A, 1B or 1C or skin irritant category 2</li> <li>— serious eye damage category 1 or eye irritant category 2</li> </ul> <p>(b) substances listed in Annex II to Regulation (EC) No 1223/2009 of the European Parliament and of the Council</p> <p>(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.</p> <p>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.</p>	Mixtures for tattooing purposes are subject to the restrictions of Regulation (EU) 2020/2081

#### National legislation Belgium

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No data available

Reason for revision: 3, 9, 12

Publication date: 2007-09-24

Date of revision: 2022-10-26

Revision number: 0600

BIG number: 45229

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## Quartz (SiO<sub>2</sub>)

Additional classification	Silices cristallines : quartz (poussières alvéolaires); 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 (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

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No data available

## National legislation Germany

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WGK	1; Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (AwSV) - 18. April 2017
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### dibenzoyl peroxide

TA-Luft	5.2.5/I
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### 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

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

## 15.2. Chemical safety assessment

No chemical safety assessment has been conducted for the mixture.

## 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
CLP (EU-GHS)	Classification, labelling and packaging (Globally Harmonised System in Europe)
DMEL	Derived Minimal Effect Level
DNEL	Derived No Effect Level
EC50	Effect Concentration 50 %
ErC50	EC50 in terms of reduction of growth rate
LC50	Lethal Concentration 50 %
LD50	Lethal Dose 50 %
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

Reason for revision: 3, 9, 12

Publication date: 2007-09-24

Date of revision: 2022-10-26

Revision number: 0600

BIG number: 45229

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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.