

This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008 This SDS is for generic information purposes and does not reflect required country specific information for OEL

FIX-O-CHEM - PART B

Supercedes Date: 23-Sep-2022

Revision date 23-Sep-2022 Revision Number 1

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

1.1. Product identifier

Product Name FIX-O-CHEM - PART B

Pure substance/mixture Mixture

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

Recommended use Hardener

Uses advised against None known.

1.3. Details of the supplier of the safety data sheet

Company Name Bostik AB Strandbadsvaegen 22 PO Box 903 25109 Helsingborg, Sweden Tel: +46 42 19 50 00 Fax: +46 42 19 50 20

E-mail address

SDS.box-EU@bostik.com

1.4. Emergency telephone number

Emergency Telephone

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Serious eye damage/eye irritation	Category 2 - (H319)
Skin sensitisation	Category 1 - (H317)

2.2. Label elements

Contains Dibenzoyl peroxide



Signal word Warning

Hazard statements

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H317 - May cause an allergic skin reaction

H319 - Causes serious eye irritation

Precautionary Statements - EU (§28, 1272/2008)

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

P102 - Keep out of reach of children

P264 - Wash face, hands and any exposed skin thoroughly after handling

P280 - Wear protective gloves and eye/face protection

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P501 - Dispose of contents/ container to an approved waste disposal plant

Additional information

Please also refer to the SDS for the other component(s) of the kit.

2.3. Other hazards

No information available.

PBT & vPvB

This mixture contains no substance considered to be persistent, bioaccumulating or toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical name	EC No (EU Index No).		Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-ter m)	REACH registration number
Dibenzoyl peroxide 10 - <20 %	202-327-6	94-36-0	Eye Irrit. 2 (H319) Skin Sens. 1 (H317) Org. Perox. B (H241) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	-	10	10	01-2119511472- 50-XXXX

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

Acute Toxicity Estimate

If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATEmix) for classifying a mixture based on its components

Chemical name	EC No (EU Index No)	CAS No	Oral LD50 mg/kg	Dermal LD50 mg/kg	LC50 - 4 hour -	Inhalation LC50 - 4 hour - vapour - mg/L	
Dibenzoyl peroxide	202-327-6	94-36-0	-	-	-	-	-

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

SECTION 4: First aid measures				
4.1. Description of first aid measures				
General advice	Show this safety data sheet to the doctor in attendance.			
Inhalation	Remove to fresh air.			
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.			
Skin contact	Wash with soap and water. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a doctor.			
Ingestion	Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a doctor.			
Self-protection of the first aider	Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).			
4.2. Most important symptoms and effects, both acute and delayed				
Symptoms	Itching. Rashes. Hives. May cause redness and tearing of the eyes. Burning sensation.			
4.3. Indication of any immediate m	edical attention and special treatment needed			
Note to doctors	May cause sensitisation in susceptible persons. Treat symptomatically.			
SECTION 5: Firefighting me	asures			
5.1. Extinguishing media				
Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.			
Unsuitable extinguishing media	Full water jet.			
5.2. Special hazards arising from t	he substance or mixture			
Specific hazards arising from the chemical	Product is or contains a sensitiser. May cause sensitisation by skin contact.			
Hazardous combustion products	Carbon oxides. Hydrocarbons.			
5.3. Advice for firefighters				
Special protective equipment and precautions for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.			
SECTION 6: Accidental relea	ase measures			

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

Other information	Refer to protective measures listed in Sections 7 and 8.
For emergency responders	Use personal protection recommended in Section 8.
6.2. Environmental precautions	
Environmental precautions	See Section 12 for additional Ecological Information.
6.3. Methods and material for cont	ainment and cleaning up
Methods for containment	Prevent further leakage or spillage if safe to do so.
Methods for cleaning up	Take up mechanically, placing in appropriate containers for disposal.
Prevention of secondary hazards	Clean contaminated objects and areas thoroughly observing environmental regulations.
6.4. Reference to other sections	
Reference to other sections	See section 8 for more information. See section 13 for more information.
SECTION 7: Handling and st	torage
7.1. Precautions for safe handling	_
Advice on safe handling	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. In case of insufficient ventilation wear suitable respiratory equipment. Do not eat, drink or smoke when using this product Take off contaminated clothing and wash it before reuse. Please also refer to the SDS for the other component(s) of the kit.
General hygiene considerations	Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.
7.2. Conditions for safe storage, in	cluding any incompatibilities
Storage Conditions	Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children.
7.3. Specific end use(s)	
Specific use(s) Hardener.	
Risk Management Methods (RMM)	The information required is contained in this Safety Data Sheet.
Other information	Observe technical data sheet.
SECTION 8: Exposure contr	ols/personal protection
8.1. Control parameters	
Exposure Limits	
Only European Community Occup SDS for further information.	ational Exposure Limits will be shown in this document. Please refer to regional
Derived No Effect Level (DNEL)	No information available

Derived No Effect Level (DNEL)			
Dibenzoyl peroxide (94-36-0)			
Туре	Exposure route	Derived No Effect Level	Safety factor

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		(DNEL)	
worker	Inhalation	39 mg/m³	
Long term			
Systemic health effects			
worker	Dermal	13 mg/kg bw/d	
Long term			
Systemic health effects			

Derived No Effect Level (DNEL)			
Dibenzoyl peroxide (94-36-0)			
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Consumer Long term Systemic health effects	Oral	2 mg/kg bw/d	

Predicted No Effect Concentration No information available. **(PNEC)**

Predicted No Effect Concentration (PNEC)	
Dibenzoyl peroxide (94-36-0)	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	0.02 µg/l
Marine water	0.002 μg/l
Freshwater sediment	0.013 mg/kg dry weight
Marine sediment	0.001 mg/kg dry weight
Soil	0.003 mg/kg dry weight
Microorganisms in sewage treatment	0.35 mg/l

8.2. Exposure controls

Engineering controls

Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Tight sealing safety goggles.
Wear protective gloves. Nitrile rubber. Glove thickness > 0.4 mm. The breakthrough time
for the mentioned glove material is in general greater than 480 min. The breakthrough
time of the gloves depends on the material and the thickness as well as the temperature.
Gloves must conform to standard EN 374.
Suitable protective clothing.

Environmental exposure controls Do not allow uncontrolled discharge of product into the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Solid	
Appearance	Paste	
Colour	Black	
Odour	Characteristic.	
Odour threshold	No information available	
Property	Values	Remarks • Method
Melting point / freezing point	No data available	None known
Initial boiling point and boiling	No data available	None known
range		
Flammability	No data available	None known
Flammability Limit in Air		None known
Upper flammability or explosive	No data available	
limits		

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Lower flammability or explosive limits	No data available	
Flash point	Not applicable No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature		None known
pH	No data available	None known.
pH (as aqueous solution)	No data available	Not applicable
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	
Water solubility	No data available.	None known
Solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Vapour pressure	No data available	None known
Relative density	No data available	None known
Bulk Density	No data available	
Density	1.59	
Relative vapour density	No data available	None known
Particle characteristics		
Particle Size	No information available	
Particle Size Distribution	No information available	
9.2. Other information		
Solid content (%)	No information available	
VOC content	<	
9.2.1. Information with regards to p	physical hazard classes	
Not applicable		

9.2.2. Other safety characteristics No information available

SECTION 10: Stability and reactivity

OF OTION 10. Otability and it	
10.1. Reactivity	
Reactivity	No information available.
10.2. Chemical stability	
Stability	Stable under normal conditions.
Explosion data	
Sensitivity to mechanical impact	None.
Sensitivity to static discharge	None.
10.3. Possibility of hazardous reac	tions
Possibility of hazardous reactions	May react with oxidising agents.
10.4. Conditions to avoid	
Conditions to avoid	None known based on information supplied.
10.5. Incompatible materials	
Incompatible materials	Strong oxidising agents.
10.6. Hazardous decomposition pro	oducts
Hazardous decomposition	None under normal use conditions. Stable under recommended storage conditions.

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products

SECTION 11: Toxicological information

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

Information on likely routes of exposure

Product Information

Inhalation	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.
Eye contact	Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain.
Skin contact	May cause sensitisation by skin contact. Specific test data for the substance or mixture is not available. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components). May cause irritation. Prolonged contact may cause redness and irritation.
Ingestion	Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms	Itching. Rashes. Hives. May cause redness and tearing of the ey	ves
Symptoms	inclining. Rashes. Thres. May cause rediress and tearing of the ey	yes.

Acute toxicity

Based on available data, the classification criteria are not met

Numerical measures of toxicity

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Dibenzoyl peroxide	LD50 > 2000 mg/kg (Rattus)	LD50 > 2000 mg/kg (Rattus)	LC0 (4h) =24.3 mg/L (Rattus)
	OECD 401	OECD 402	Dust (OECD 403)

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Dibenzoyl peroxide (94-36-0)

Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 404:		Dermal			Non-irritant
Acute Dermal					
Irritation/Corrosion					

Serious eye damage/eye irritation Causes serious eye irritation.

Respiratory or skin sensitisation	May cause sensitisation by skin contact.
Germ cell mutagenicity	Based on available data, the classification criteria are not met.
Carcinogenicity	Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

Dibenzoyl peroxide (94-36-0)

Method	Species	Results
OECD Test No. 422: Combined Repeated Dose	Rat	Based on available data, the
Toxicity Study with the		classification criteria are not met 1000
Reproduction/Developmental Toxicity Screening		mg/kg bw
Test		

STOT - single exposure

Based on available data, the classification criteria are not met.

STOT - repeated exposure

Based on available data, the classification criteria are not met.

Dibenzoyl peroxide (94-36-0)

Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 422:	Rat	Oral		91 days	NOAEL: 1000
Combined Repeated Dose					mg/kg
Toxicity Study with the					
Reproduction/Developme					
ntal Toxicity Screening					
Test					

Aspiration hazard

Based on available data, the classification criteria are not met.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Endocrine disrupting properties No information available.

11.2.2. Other information

Other adverse effects No information available.

PC-ADH-8 Multi-component adhesives and sealants Please also refer to the SDS for the other component(s) of the kit

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity

Note:

Based on available data, the classification criteria are not met.

Method	Species	Endpoint type	Effective dose	Exposure time	Results
OECD Test No. 201: Freshwater Algae and Cyanobacteria, Growth Inhibition Test	Scenedesmus subspicatus	IC10	30 mg/L	0-72 hours	
OECD Test No. 201: Freshwater Algae and Cyanobacteria, Growth Inhibition Test	Scenedesmus subspicatus	IC50	150 mg/L	0-72 hours	
OECD Test No. 202: Daphnia sp., Acute	Daphnia magna	NOEC	100 mg/L	48 hours	

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Immobilisation Test									
OECD Test No. 202:	Daphnia magn	a	EC50		500 mg/l	L		48 hours	
Daphnia sp., Acute									
Immobilisation Test									
OECD Test No. 203: Fis	sh, Brachydanio re	erio	NOEC		250 mg/l	L		96 hours	
Acute Toxicity Test									
OECD Test No. 203: Fis	sh, Brachydanio re	erio	LC50		>500 mg	g∕L		96 hours	
Acute Toxicity Test						-			
Chemical name	Algae/aquatic		Fish	Toxic	city to	Crustac	ea	M-Factor	M-Factor
	plants			microor	ganisms				(long-term)
Dibenzoyl peroxide	ErC50 (72h) =	LC	50 (96h)		-	EC50 (48	,	10	10
94-36-0	0.0711 mg/l		0.0602			0.11 mg			
	(Pseudokirchner		orhynchus			(Daphnia m	nagna		
	iella subcapitata)	myk	iss) Semi			static))		
	OECD 201		static						

12.2. Persistence and degradability

Persistence and degradability No information available.

Dibenzoyl	peroxide	(94-36-0)
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Method	Exposure time	Value	Results
OECD Test No. 301D: Ready	28 days	biodegradation 68%	Data inconclusive
Biodegradability: Closed Bottle Test		-	
(TG 301 D)			
OECD Test No. 301C: Ready	21 days	biodegradation 100%	Readily biodegradable
Biodegradability: Modified MITI Test			
(I) (TG 301 C)			

12.3. Bioaccumulative potential

Bioaccumulation

Component Information

Chemical name	Partition coefficient
Dibenzoyl peroxide	3.2

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment

Chemical name	PBT and vPvB assessment
Dibenzoyl peroxide	The substance is not PBT / vPvB

12.6. Endocrine disrupting properties

Endocrine disrupting properties No information available.

12.7. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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Waste from residues/unused products	Dispose of waste in accordance with environmental legislation. Dispose of in accordance with local regulations.
Contaminated packaging	Do not reuse empty containers.
European Waste Catalogue	08 04 09* waste adhesives and sealants containing organic solvents or other dangerous substances 15 01 10*: Packaging containing residues of or contaminated by dangerous substances
Other information	Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: Transport information

Land transport (ADR/RID)

Lanu transport (ADR/RID)	
14.1 UN number or ID number	Not regulated
14.2 Proper Shipping Name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special Provisions	None
•	
IMDG	
14.1 UN number or ID number	Not regulated
14.2 Proper Shipping Name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Marine pollutant	NP
14.6 Special Provisions	None
14.7 Maritime transport in bulk	Not applicable
according to IMO instruments	
-	
Air transport (ICAO-TI / IATA-DGR)	
14.1 UN number or ID number	Not regulated
14.2 Proper Shipping Name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable

Section 15: REGULATORY INFORMATION

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

European Union

14.6 Special Provisions

Check whether measures in accordance with Directive 94/33/EC for the protection of young people at work must be taken.

Registration, Evaluation, Authorization, and Restriction of Chemicals (REACh) Regulation (EC 1907/2006)

SVHC: Substances of Very High Concern for Authorisation:

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

EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction

None

This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

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Substance subject to authorisation per REACH Annex XIV

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

Ozone-depleting substances (ODS) regulation (EC) 1005/2009 Not applicable

Persistent Organic Pollutants Not applicable

National regulations

France

Occupational Illnesses (R-463-3, France)

Chemical name	French RG number
Dibenzoyl peroxide	RG 66
94-36-0	

Germany

Ordinance on Industrial Safety and Health - Germany - BetrSichV No flammable liquids in accordance with BetrSichV

Water hazard class (WGK) slightly hazardous to water (WGK 1)

Netherlands

List of Carcinogenic, mutagenic and reproductive toxin substances in accordance with Inspectorate SZW (Netherlands)

Not Listed

<u>Sweden</u>

Occupational exposure limits AFS 2018:1 Special care should be applied for employees under the age of 18. Young people under the age of 18 may not carry out any work causing harmful exposure to this product. AFS 2012:3

<u>Denmark</u>

Registration number(s) (P-no.) No information available AT-Guide C.0.1 August 2007: Limit values for substances and materials

Norway

Registration number(s) (PRN-no.) No information available

15.2. Chemical safety assessment

Chemical Safety Assessments have been carried out by the Reach registrants for substances registered at >10 tpa. No Chemical Safety Assessment has been carried out for this mixture.

SECTION 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3

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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

SVHC: Substances of Very High Concern for Authorisation:

PBT: Persistent, Bioaccumulative, and Toxic (PBT) Chemicals

vPvB: Very Persistent and very Bioaccumulative (vPvB) Chemicals

STOT RE: Specific target organ toxicity - Repeated exposure

STOT SE: Specific target organ toxicity - Single exposure

EWC: European Waste Catalogue

LOW: List of Wastes (see http://ec.europa.eu/environment/waste/framework/list.htm)

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IATA: International Air Transport Association

ICAO: ICAO-TI: Technical Instructions for the Safe Transport of Dangerous Goods by Air

IMDG: International Maritime Dangerous Goods

RID: Regulations concerning the International Carriage of Dangerous Goods by Rail

Legend SECTION 8: Exposure controls/personal protection

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
AGW	Occupational exposure limit value	BGW	Biological limit value
Ceiling	Maximum limit value	*	Skin designation

Classification procedure		
Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used	
Acute oral toxicity	Calculation method	
Acute dermal toxicity	Calculation method	
Acute inhalation toxicity - gas	Calculation method	
Acute inhalation toxicity - Vapour	Calculation method	
Acute inhalation toxicity - dust/mist	Calculation method	
Skin corrosion/irritation	Calculation method	
Serious eye damage/eye irritation	Calculation method	
Respiratory sensitisation	Calculation method	
mutagenicity	Calculation method	
Carcinogenicity	Calculation method	
Reproductive toxicity	Calculation method	
STOT - single exposure	Calculation method	
STOT - repeated exposure	Calculation method	
Acute aquatic toxicity	On basis of test data	
Chronic aquatic toxicity	On basis of test data	
Aspiration hazard	Calculation method	
Ozone	Calculation method	

Key literature references and sources for data used to compile the SDS

European Food Safety Authority (EFSA)

European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA_RAC)

European Chemicals Agency (ECHA) (ECHA_API)

EPA (Environmental Protection Agency)

Acute Exposure Guideline Level(s) (AEGL(s))

International Uniform Chemical Information Database (IUCLID)

National Institute of Technology and Evaluation (NITE)

NIOSH (National Institute for Occupational Safety and Health)

Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme Organisation for Economic Co-operation and Development Screening Information Data Set

Prepared By	Product Safety & Regulatory Affairs
Revision date	23-Sep-2022
Training Advice	No information available

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Further information

No information available

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet