

Safety Data Sheet as per regulation (EC) 1907/2006

Commercial Product Name: Bauder Catalyst
Article-No.: GB81005010; GB81005025; GB81005030
Revision Date: 11.03.2022
Version: 2.0/en



Replaces version from: 21.09.2018
Print date: 11.03.2022

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

1.1 Product identifier

Commercial Product Name **Bauder Catalyst (all volumes)**

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

Relevant identified uses hardener

Recommended restrictions Reserved for industrial and professional use.

1.3 Details of the supplier of the safety data sheet

Company designation Bauder Ltd.
70 Landseer Road
Ipswich IP3 0DH
Telephone: +44 (0)1473 257671

1.4 Emergency telephone number

NPIS (National Poisons Information Service): 0344 892 0111 (for medical professionals only).
For medical advice, members of the public should contact NHS 111

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

* Classification according to Regulation (EC) No. 1272/2008 Org. Perox. D; H242 Eye Irrit. 2; H319 Skin Sens. 1; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410

2.2 Label elements

* Hazard pictogram



GHS02



GHS07



GHS09

Signal word **Danger**

Hazardous component(s) to be indicated on label **dibenzoyl peroxide**

* H-statement(s)
H242: Heating may cause a fire.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H410: Very toxic to aquatic life with long lasting effects.

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* P-statement(s)

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P234: Keep only in original packaging.
P235: Keep cool.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P362+P364: Take off contaminated clothing and wash it before reuse.
P337+P313: If eye irritation persists: Get medical advice/attention.
P391: Collect spillage.
P403: Store in a well-ventilated place.
P420: Store separately.

2.3 Other hazards

Hazard precautions Risk of dust explosion.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical characterization Benzoylperoxyde, phlegmated with plasticizer

Hazardous ingredients

Ingredient	Numbers	Classification (EC) 1272/2008	M- factor	Concentration
Ethylene dibenzoate	* CAS No.: 94-49-5 * EC-No.: 202-338-6 * REACH No.: 01-2120759933-41-XXXX	Aquatic Chronic 2; H411	acute:1	45.0 - 50.0 % by weight
dibenzoyl peroxide	CAS No.: 94-36-0 EC-No.: 202-327-6 Index-No.: 617-008-00-0REACH No.: 01-2119511472-50-XXXX	Org. Perox. B; H241 Eye Irrit. 2; H319 Skin Sens. 1; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	acute:10 chronic:10	45.0 - 50.0 % by weight

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice Move out of dangerous area. Take off all contaminated clothing immediately. Do not leave the victim unattended. Show this safety data sheet to the doctor in attendance.

If inhaled If you feel unwell, seek medical advice (show the label where possible).

In case of skin contact Wash off immediately with soap and plenty of water. If skin irritation occurs, seek medical advice/attention.

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2,9 mg/m ³	Consumers	Inhalation	Long term effects	Company data
3,3 mg/kg	Consumers	dermal exposure	Long term effects	Company data
1,65 mg/kg	Consumers	Oral	Long term effects	Company data

PNEC	Exposure route	Source
0,000602 mg/l	freshwater	Company data
0,338 mg/kg	freshwater sediment	Company data
0,000602 mg/l	marine water	Company data
0,0338 mg/kg	marine sediment	Company data
0,35 mg/l	Waste water pretreatment	Company data
6,67 mg/kg	Oral	Company data

8.2 Exposure controls

Respiratory protection	Use the indicated respiratory protection if the occupational exposure limit is exceeded and/or in case of product release (dust). Half mask with a particle filter P2 (EN 143).
Hand protection	Protective gloves complying with EN 374. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.
Unsuitable material	woven fabric, Leather gloves
Suitable material	Nitriles
Eye protection	Tightly fitting safety goggles
Skin and body protection	Wear suitable protective equipment. Long sleeved clothing
General protective and hygiene measures	Do not breathe dust. Avoid contact with the skin and the eyes. Wash hands before breaks and at the end of workday. Use protective skin cream before handling the product. Keep away from food, drink and animal feeding stuffs.
Engineering measures	Provide appropriate exhaust ventilation at machinery and at places where dust can be generated.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	solid
Odour threshold	Product specific
Initial boiling point [°C] and boiling range [°C]	not applicable
Evaporation rate [kg/(s m ²)]	not applicable

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Explosion limits [Vol-%]	not applicable
Explosion limits [g/m ³]	Angabe des Herstellers ca.30 g/m ³
Note	Die Herstellerangabe ist der allgemeine Richtwert für feste organische Verbindungen.
Vapour pressure [kPa]	not applicable
Vapour density	not applicable
Partition coefficient n-octanol /water (log P O/W)	not determined
Autoignition temperature [°C]	not determined
Viscosity, dynamic [kg/(m s)]	not applicable
Oxidising properties	not determined

SECTION 10: Stability and reactivity

10.4 Conditions to avoid

Conditions to avoid None under normal processing.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

*Oral toxicity [mg/kg]

Hazardous ingredients

*Ethylene dibenzoate				
Value	Test criterion	Test species	Measuring method	Source
>2001 mg/kg	LD50	rat	OECD Test Guideline 416	Company data

dibenzoyl peroxide				
Value	Test criterion	Test species	Source	
> 5000 mg/kg	LD50	rat	Company data	

Inhalative toxicity [mg/l]

Hazardous ingredients

dibenzoyl peroxide				
Value	Test criterion	Test species	Note	Source
24,3 mg/l	LC50	rat	OECD Test Guideline 403	Company data

LC50 Inhalation 4h for dusts and sprays [mg/l]

Hazardous ingredients

dibenzoyl peroxide				
Value	Test criterion	Test species	Source	
>24,3 mg/l	LC0	rat	Company data	

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*Irritant effect on skin

Hazardous ingredients

*Ethylene dibenzoate				
Value	Measuring method	Test species	Exposure duration [h]	Source
No skin irritation	OECD Test Guideline 404	rabbit	4 hours	Company data

dibenzoyl peroxide				
Value	Measuring method	Test species	Exposure duration [h]	Source
No skin irritation	OECD Test Guideline 404	rabbit		Company data

*Irritant effect on eyes

Hazardous ingredients

*Ethylene dibenzoate				
Value	Measuring method	Test species	Exposure duration [h]	Source
No eye irritation	OECD Test Guideline 405	rabbit	1 hours	Company data

dibenzoyl peroxide				
Value	Measuring method	Test species	Exposure duration [h]	Source
Eye irritation, revesibel innerhalb 21 Tage	OECD Test Guideline 405	rabbit		Company data

*Sensitization

Hazardous ingredients

*Ethylene dibenzoate				
Value	Measuring method	Test species	Remarks	Source
No known effect.	OECD 429	mouse	Skin sensitization	Company data

dibenzoyl peroxide				
Value	Measuring method	Test species	Exposure duration [h]	Source
Skin sensitization	OECD TG 429	mouse		Company data

*Carcinogenic effects

Hazardous ingredients

*Ethylene dibenzoate	
Value	Source
No known effect.	Company data

dibenzoyl peroxide	
Value	Source
Did not show carcinogenic effects in animal experiments.	Company data

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*Mutagenicity

Hazardous ingredients

*Ethylene dibenzoate	
Value	Source
No known effect.	Company data

dibenzoyl peroxide	
Value	Source
Did not show mutagenic effects in animal experiments.	Company data

*Reproduction toxicity

Hazardous ingredients

*Ethylene dibenzoate	
Value	Source
No known effect.	Company data

dibenzoyl peroxide	
Value	Source
No toxicity to reproduction	Company data

Specific target organ toxicity (single exposure) [mg/kg]

Hazardous ingredients

dibenzoyl peroxide	
Value	Source
no data available	Company data

Specific target organ toxicity (repeated exposure) [mg/kg]

Hazardous ingredients

dibenzoyl peroxide	
Value	Source
Animal testing did not show any hazardous effects.	Company data

11.2 Additional information

Experience in practice May cause sensitization by inhalation.

Other information (chapter 11.) No toxicology information is available.

SECTION 12: Ecological information

12.1 Toxicity

*Toxicity to fish [mg/l]

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Hazardous ingredients

*Ethylene dibenzoate					
Value	Test criterion	Test species	Measuring method	Exposure duration [h]	Source
(>0,434) mg/l	LC50	Brachydanio rerio (zebra fish)	OECD Test Guideline 203	96 h	Company data

dibenzoyl peroxide					
Value	Test criterion	Test species	Measuring method	Exposure duration [h]	Source
0,0602 mg/l	LC50	Oncorhynchus mykiss (rainbow trout)	OECD Test Guideline 203	96 h	Company data

*Toxicity to daphnia [mg/l]

Hazardous ingredients

*Ethylene dibenzoate					
Value	Test criterion	Test species	Exposure duration [h]	Measuring method	Source
1,4 mg/l	EC50	Daphnia magna (Water flea)	21 day(s)	OECD TG 211	Company data

dibenzoyl peroxide					
Value	Test criterion	Test species	Exposure duration [h]	Measuring method	Source
0,110 mg/l	EC50	Daphnia magna (Water flea)	48 h	OECD Test Guideline 202	Company data

*Toxicity to algae [mg/l]

Hazardous ingredients

*Ethylene dibenzoate					
Value	Test criterion	Test species	Exposure duration [h]	Measuring method	Source
(>0,87) mg/l	ErC50	Pseudokirchneriella subcapitata	72 h	OECD Test Guideline 201	Company data

dibenzoyl peroxide					
Value	Test criterion	Test species	Exposure duration [h]	Measuring method	Source
0,0711 mg/l	EC50	Pseudokirchneriella subcapitata	72 h	OECD Test Guideline 201	Company data

*NOEC (fish) [mg/l]

Hazardous ingredients

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*Ethylene dibenzoate		
Value	Test species	Source
0,073 mg/l	Brachydanio rerio (zebra fish)	Company data

*NOEC (daphnia) [mg/l]

Hazardous ingredients

*Ethylene dibenzoate				
Value	Test species	Measuring method	Exposure duration [h]	Source
0,65 mg/l	Daphnia magna (Water flea)	OECD TG 211	21 day(s)	Company data

*NOEC (algae) [mg/l]

Hazardous ingredients

*Ethylene dibenzoate				
Value	Test species	Measuring method	Exposure duration [h]	Source
0,045 mg/l	Pseudokirchneriella subcapitata	OECD Test Guideline 201	72 h	Company data

12.2 Persistence and degradability

*Biodegradability

Hazardous ingredients

*Ethylene dibenzoate				
Value	Duration	Measuring method	Method of analysis	Source
Readily biodegradable.81 %	28 day(s)	Closed Bottle test	OECD 301D/ EEC 92/69/V, C.4-E	Company data

dibenzoyl peroxide				
Value	Duration	Measuring method	Remarks	Source
Biodegradable. 68 %	28 day(s)	OECD 301D/ EEC 92/69/V, C.4-E	inherently biodegradable	Company data

12.3 Bioaccumulative potential

Bioaccumulation

Hazardous ingredients

dibenzoyl peroxide	
Value	Source
3.2 Bioaccumulation is unlikely.	Company data

12.5 Results of PBT and vPvB assessment

*Results of PBT characteristics determination

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Hazardous ingredients

*Ethylene dibenzoate	
Value	Source
This substance is not considered to be persistent, bioaccumulating nor toxic (PBT).	Company data

dibenzoyl peroxide	
Value	Source
This substance is not considered to be persistent, bioaccumulating nor toxic (PBT).	Company data

12.6 Other adverse effects

Further information on ecology We have no quantitative data concerning the ecological effects of this product.

SECTION 13: Disposal considerations







13.1 Waste treatment methods

Disposal considerations According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. The following Waste Codes are only suggestions:

Waste Code 06 03 16 metallic oxides other than those mentioned in 06 03 15

Uncleaned empty packaging Empty containers should be taken for local recycling or waste disposal. Dispose of in accordance with local regulations.

SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG	Air transport ICAO/IATA
14.1 UN-No	3106	3106	3106
14.2 Description of the goods	ORGANIC PEROXIDE TYPE D, SOLID	ORGANISCHES PEROXID, TYP D, FEST	ORGANIC PEROXIDE TYPE D, SOLID
UN proper shipping name		ORGANIC PEROXIDE TYPE D, SOLID	Organic peroxide type D, solid
14.3 Transport hazard class(es)	5.2	5.2	5.2
Danger releasing substance	dibenzoyl peroxide	dibenzoyl peroxide	dibenzoyl peroxide
14.5 Environmental hazards	U - Environmentally hazardous	U - marine pollutant	U - Environmentally hazardous
Labels	5.2  	5.2  	5.2  
Category	2		
Factor	3		
Classification Code	P1		
Tunnel restriction code	D		
EmS		F-J;S-R	
Stowage category		D	

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14.6 Special precautions for user

Precautions No special measures are required.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL and the IBC Code Not relevant

SECTION 15: Regulatory information

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

Additional regulations Additionally, observe any national regulations!

MAL-Code 0-4

SECTION 16: Other information

* Modifications since last version Modifications of the previous version are denoted with an asterisk (*).

Relevant H-phrases
H241: Heating may cause a fire or explosion.
H242: Heating may cause a fire.
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.
H411: Toxic to aquatic life with long lasting effects.

Wording of the hazard classes
Aquatic Chronic: Hazardous to the aquatic environment
Org. Perox.: Organic peroxide
Eye Irrit.: Serious eye irritation
Skin Sens.: Skin sensitization
Aquatic Acute: Hazardous to the aquatic environment

* Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]

Classification	Evaluation
Org. Perox. D; H242	Calculated
Eye Irrit. 2; H319	Calculated
Skin Sens. 1; H317	Calculated
Aquatic Acute 1; H400	Calculated
Aquatic Chronic 1; H410	Calculated

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This information is provided in accordance with the current status of our knowledge and experience. The Safety Data Sheet describes products with a view to relevant safety requirements. This information does not constitute a warranty of properties, features or qualities.