

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 26 Feb 2021

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Version: 1.1

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OBTEGO X-100/200 (B) Härter

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

1.1. Product identifier

Trade name/designation:

OBTEGO X-100/200 (B) Härter

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

Use of the substance/mixture:

Hardener for X-100 primer and X-200 joint resin.

1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor):

OBTEGO AG

Landshuter Straße 36

84051 Altheim

Germany

Telephone: +49(0)8703/93844-0

Telefax: +49(0)8703/93844-29

Website: www.obtego.com

E-mail (competent person): sdb@obtego.com

1.4. Emergency telephone number

24h: +49(0)89-19240

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]:

Hazard classes and hazard categories	Hazard statements	Classification procedure
Respiratory or skin sensitisation (<i>Skin Sens. 1</i>)	H317: May cause an allergic skin reaction.	
Serious eye damage/eye irritation (<i>Eye Irrit. 2</i>)	H319: Causes serious eye irritation.	
Reproductive toxicity (<i>Repr. 1A</i>)	H360D: May damage the unborn child.	
Hazardous to the aquatic environment (<i>Aquatic Acute 1</i>)	H400: Very toxic to aquatic life.	
Hazardous to the aquatic environment (<i>Aquatic Chronic 1</i>)	H410: Very toxic to aquatic life with long lasting effects.	

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms:



GHS07

Exclamation mark



GHS08

Health hazard



GHS09

Environment



GHS02

Flame

Signal word: Danger

Hazard statements for physical hazards

H242 Heating may cause a fire.

hazard statements for health hazards

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H360D May damage the unborn child.

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Hazard statements for environmental hazards

H410 Very toxic to aquatic life with long lasting effects.

Supplemental hazard information

EUH208 Contains dibenzoyl peroxide, dicyclohexyl phthalate. May produce an allergic reaction.

Precautionary statements Prevention

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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

Precautionary statements Response

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

Precautionary statements Storage

P410 Protect from sunlight.

Precautionary statements Disposal

P501 Dispose of contents/container to an appropriate recycling or disposal facility.

2.3. Other hazards

No data available

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Hazardous ingredients / Hazardous impurities / Stabilisers:

product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 94-36-0 EC No.: 202-327-6	dibenzoyl peroxide Aquatic Acute 1, Aquatic Chronic 1, Eye Irrit. 2, Org. Perox. B, Skin Sens. 1 Danger H241-H317-H319-H400-H410	25 - ≤ 50 weight-%
CAS No.: 84-61-7 EC No.: 201-545-9	dicyclohexyl phthalate <i>Candidate List of Substances of Very High Concern for Authorisation!</i> Aquatic Chronic 3, Repr. 1B, Skin Sens. 1 Danger H317-H360D-H412	30 - ≤ 50 weight-%

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

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious but breathing normally, place in recovery position and seek medical advice. Do not leave affected person unattended.

Following inhalation:

Provide fresh air. In case of respiratory tract irritation, consult a physician. Get medical advice/attention if you feel unwell.

In case of skin contact:

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.

After eye contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

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Following ingestion:

Rinse mouth. If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Let water be drunk in little sips (dilution effect). Get medical advice/attention if you feel unwell.

Self-protection of the first aider:

Use personal protection equipment. No direct artificial respiration to be given by first aider.

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

Allergic reactions Serious eye damage/eye irritation

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water spray jet alcohol resistant foam Extinguishing powder Carbon dioxide (CO₂)

Unsuitable extinguishing media:

Full water jet

5.2. Special hazards arising from the substance or mixture

Combustible

Hazardous combustion products:

In case of fire: Gases/vapours, toxic; Hydrocarbons, Carbon monoxide, Carbon dioxide (CO₂)

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

5.4. Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

Remove persons to safety. Provide adequate ventilation.

Protective equipment:

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

6.1.2. For emergency responders

Personal protection equipment:

Personal protection equipment: see section 8

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

For containment:

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

For cleaning up:

Do not rinse down with water.

6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

6.5. Additional information

Use appropriate container to avoid environmental contamination.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

Wear personal protection equipment (refer to section 8). If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means. Keep container tightly closed in a cool, well-ventilated place. Avoid contact during pregnancy/while nursing.

Fire prevent measures:

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges. Keep container tightly closed in a cool, well-ventilated place. Vapours can form explosive mixtures with air.

Advices on general occupational hygiene

When using do not eat, drink or smoke. Avoid contact with eyes and skin.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

Keep container tightly closed in a cool, well-ventilated place.

Requirements for storage rooms and vessels:

Keep container tightly closed in a cool, well-ventilated place. Keep/Store only in original container. Do not allow to enter into surface water or drains.

Storage class: 5.2 - Organic peroxides and self-reactive substances

7.3. Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	① Long-term occupational exposure limit value ② short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
TRGS 900 (DE)	dibenzoyl peroxide CAS No.: 94-36-0 EC No.: 202-327-6	① 5 mg/m ³ ② 5 mg/m ³ ⑤ (einatembare Fraktion)
TRGS 900 (DE)	Hydrocarbons, TRGS 900	① 0 mg/m ³ ⑤ Mass fraction (wt %): 0

8.1.2. Biological limit values

No data available

8.1.3. DNEL-/PNEC-values

No data available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No data available

8.2.2. Personal protection equipment

Eye/face protection:

Eye glasses with side protection DIN EN 166

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Skin protection:

Tested protective gloves must be worn EN ISO 374 Suitable material: Butyl caoutchouc (butyl rubber)
Breakthrough time: 60 min In the case of wanting to use the gloves again, clean them before taking off and air them well. Breakthrough times and swelling properties of the material must be taken into consideration.

Respiratory protection:

Suitable respiratory protection apparatus: Filter P2

8.2.3. Environmental exposure controls

No data available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: Liquid

Colour: white

Odour: not determined

Safety relevant basis data

parameter		at °C	Method	Remark
pH	<i>not applicable</i>			
Melting point	<i>not determined</i>			
Freezing point	<i>not determined</i>			
Initial boiling point and boiling range	400 °C			
Decomposition temperature	60 °C			
Flash point	<i>not determined</i>			
Evaporation rate	<i>not determined</i>			
Auto-ignition temperature	<i>not determined</i>			
Upper/lower flammability or explosive limits	<i>not determined</i>			
Vapour pressure	1 hPa	20 °C		
Vapour density	<i>not determined</i>			
Density	1.24 g/cm ³	20 °C		
Bulk density	0.56 g/cm ³	20 °C		
Water solubility	<i>not applicable</i>			
Partition coefficient: n-octanol/water	<i>not determined</i>			
Dynamic viscosity	<i>not determined</i>			
Kinematic viscosity	<i>not applicable</i>			

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

Heating may cause a fire.

10.2. Chemical stability

Protect from direct sunlight.

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

No data available

10.5. Incompatible materials

Reducing agent ,Heavy metals ,Acid ,Alkali (Iye)

10.6. Hazardous decomposition products

Gases/vapours, toxic; Hydrocarbons, Carbon monoxide, Carbon dioxide (CO₂)

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Further information

Do not allow to enter into surface water or drains.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Substance name	Toxicological information
dibenzoyl peroxide CAS No.: 94-36-0 EC No.: 202-327-6	LD₅₀ oral: 5,000 mg/kg (Ratte) LC₅₀ Acute inhalation toxicity (vapour): 24.3 mg/l 4 h (Ratte)
dicyclohexyl phthalate CAS No.: 84-61-7 EC No.: 201-545-9	LD₅₀ oral: 30,000 mg/kg (Ratte)

Acute oral toxicity:

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

Acute dermal toxicity:

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

Acute inhalation toxicity:

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

Skin corrosion/irritation:

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

Serious eye damage/irritation:

Causes serious eye irritation.

Respiratory or skin sensitisation:

May cause an allergic skin reaction. Contains dibenzoyl peroxide, dicyclohexyl phthalate. May produce an allergic reaction.

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:

May damage the unborn child. Based on available data, the classification criteria are not met.

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.

Aspiration hazard:

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

Additional information:

No data available

SECTION 12: Ecological information

12.1. Toxicity

Substance name	Toxicological information
dibenzoyl peroxide CAS No.: 94-36-0 EC No.: 202-327-6	LC₅₀: 2 mg/l 4 d (fish)

Aquatic toxicity:

Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

No data available

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12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

Substance name	Results of PBT and vPvB assessment
dibenzoyl peroxide CAS No.: 94-36-0 EC No.: 202-327-6	—
dicyclohexyl phthalate CAS No.: 84-61-7 EC No.: 201-545-9	—

12.6. Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product:

16 09 03 * peroxides, for example hydrogen peroxide

*: Evidence for disposal must be provided.

Waste code packaging:








15 01 02 Plastic packaging

Waste treatment options

Appropriate disposal / Product:

Consult the appropriate local waste disposal expert about waste disposal.

SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN-No.			
UN 3106	UN 3106	UN 3106	UN 3106
14.2. UN proper shipping name			
ORGANIC PEROXIDE TYPE D, SOLID	ORGANIC PEROXIDE TYPE D, SOLID	ORGANIC PEROXIDE TYPE D, SOLID	ORGANIC PEROXIDE TYPE D, SOLID
14.3. Transport hazard class(es)			
 5.2	 5.2	 5.2	 5.2
14.4. Packing group			
No data available			
14.5. Environmental hazards			
		 MARINE POLLUTANT	No

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Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.6. Special precautions for user			
Special provisions: 122 274 Limited quantity (LQ): 500 g Excepted Quantities (EQ): E0 Classification code: P1 tunnel restriction code: (D) Remark:	Special provisions: 122 274 Limited quantity (LQ): 500 g Excepted Quantities (EQ): E0 Classification code: P1 Remark:	Special provisions: 122 274 Limited quantity (LQ): 500 g Excepted Quantities (EQ): E0 EmS-No.: F-J, S-R Remark:	Special provisions: A20 Excepted Quantities (EQ): E0 Remark:

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

No data available

SECTION 15: Regulatory information

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

15.1.1. EU legislation

No data available

15.1.2. National regulations

[DE] National regulations

Restrictions of occupation

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class

WGK:

3 - stark wassergefährdend

15.2. Chemical Safety Assessment

No data available

SECTION 16: Other information

16.1. Indication of changes

No data available

16.2. Abbreviations and acronyms

See overview table at www.euphrac.eu

16.3. Key literature references and sources for data

No data available

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16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Classification according to Regulation (EC) No 1272/2008 [CLP]:

Hazard classes and hazard categories	Hazard statements	Classification procedure
Respiratory or skin sensitisation (<i>Skin Sens. 1</i>)	H317: May cause an allergic skin reaction.	
Serious eye damage/eye irritation (<i>Eye Irrit. 2</i>)	H319: Causes serious eye irritation.	
Reproductive toxicity (<i>Repr. 1A</i>)	H360D: May damage the unborn child.	
Hazardous to the aquatic environment (<i>Aquatic Acute 1</i>)	H400: Very toxic to aquatic life.	
Hazardous to the aquatic environment (<i>Aquatic Chronic 1</i>)	H410: Very toxic to aquatic life with long lasting effects.	

16.5. Relevant R-, H- and EUH-phrases (Number and full text)

Hazard statements	
H241	Heating may cause a fire or explosion.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H360D	May damage the unborn child.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

16.6. Training advice

No data available

16.7. Additional information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.