

SAFETY DATA SHEET

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

Revision date: 26 Feb 2021

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OBTEGO X-200 (A) ; Harz (Fuge)

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

1.1. Product identifier

Trade name/designation:

OBTEGO X-200 (A) ; Harz (Fuge)

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

Use of the substance/mixture:

Highly elastic, modified methacrylate resin for grouting and sealing mineral substrates.

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
flammable liquids (<i>Flam. Liq. 2</i>)	H225: Highly flammable liquid and vapour.	
Skin corrosion/irritation (<i>Skin Irrit. 2</i>)	H315: Causes skin irritation.	
Respiratory or skin sensitisation (<i>Skin Sens. 1</i>)	H317: May cause an allergic skin reaction.	
STOT-single exposure (<i>STOT SE 3</i>)	H335: May cause respiratory irritation.	

2.2. Label elements

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

Hazard pictograms:



GHS02
Flame



GHS07
Exclamation mark

Signal word: Danger

Hazard statements for physical hazards

H225 Highly flammable liquid and vapour.

hazard statements for health hazards

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H335 May cause respiratory irritation.

Supplemental hazard information

EUH208 Contains 2-ethylhexyl acrylate, tetramethylene dimethacrylate, methyl methacrylate. May produce an allergic reaction.

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Precautionary statements Prevention

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/...

Precautionary statements Response

P302 + P352	IF ON SKIN: Wash with plenty of water/....
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Precautionary statements Storage

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
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Precautionary statements Disposal

P501	Dispose of contents/container to an appropriate recycling or disposal facility.
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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.: 103-11-7 EC No.: 203-080-7	2-ethylhexyl acrylate STOT SE 3, Skin Irrit. 2, Skin Sens. 1  Warning H315-H317-H335	10 - ≤ 25 weight-%
CAS No.: 80-62-6 EC No.: 201-297-1	methyl methacrylate Flam. Liq. 2, STOT SE 3, Skin Irrit. 2, Skin Sens. 1   Danger H225-H315-H317-H335	10 - ≤ 25 weight-%
CAS No.: 2082-81-7 EC No.: 218-218-1	tetramethylene dimethacrylate Skin Sens. 1B  Warning H317	0.5 - ≤ 2.5 weight-%
CAS No.: 38668-48-3 EC No.: 254-075-1	1,1'-(p-tolylimino)dipropan-2-ol Acute Tox. 3, Aquatic Chronic 3  Danger H301-H412	0.5 - ≤ 2.5 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. If skin irritation or rash occurs: Get medical advice/attention. Take off immediately all contaminated clothing.

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. In case of contact with eyes, rinse immediately thoroughly with plenty of edible oil and consult an ophthalmologist.

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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.

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

Skin corrosion/irritation Allergic reactions Irritation to respiratory tract

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Unsuitable extinguishing media:

Full water jet

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products:

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

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. Water (with cleaning agent)

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.

Fire prevent measures:

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: 3 - Flammable liquids

Further information on storage conditions:

Protect from direct sunlight.

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)	2-ethylhexyl acrylate CAS No.: 103-11-7 EC No.: 203-080-7	① 5 ppm (38 mg/m ³) ② 5 ppm (38 mg/m ³) ⑤ (Aerosol und Dampf)
IOELV (EU)	methyl methacrylate CAS No.: 80-62-6 EC No.: 201-297-1	① 50 ppm ② 100 ppm
TRGS 900 (DE)	methyl methacrylate CAS No.: 80-62-6 EC No.: 201-297-1	① 50 ppm (210 mg/m ³) ② 100 ppm (420 mg/m ³)
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

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8.2.2. Personal protection equipment

Eye/face protection:

Eye glasses with side protection DIN EN 166

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 A

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: colourless

Safety relevant basis data

parameter		at °C	Method	Remark
pH	<i>not determined</i>			
Melting point	-48 °C			
Freezing point	<i>not determined</i>			
Initial boiling point and boiling range	100 °C			
Decomposition temperature	<i>not determined</i>			
Flash point	10 °C			
Evaporation rate	<i>not determined</i>			
Auto-ignition temperature	<i>not determined</i>			
Upper/lower flammability or explosive limits	0.8 - 12.5 Vol-%			
Vapour pressure	<i>not determined</i>			
Vapour density	<i>not determined</i>			
Density	1.3 g/cm ³	20 °C		
Bulk density	<i>not determined</i>			
Water solubility	poorly soluble			
Partition coefficient: n-octanol/water	<i>not determined</i>			
Dynamic viscosity	<i>not determined</i>			
Kinematic viscosity	<i>not determined</i>			

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

Highly flammable liquid and vapour.

10.2. Chemical stability

Protect from direct sunlight.

10.3. Possibility of hazardous reactions

Can polymerise exothermically in the absence of stabilisers, particularly in acid conditions or if shelf life exceeded.

10.4. Conditions to avoid

No data available

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10.5. Incompatible materials

Radical former, Peroxides

10.6. Hazardous decomposition products

; Hydrocarbons, Carbon monoxide, Carbon dioxide (CO₂)

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
2-ethylhexyl acrylate CAS No.: 103-11-7 EC No.: 203-080-7	LD₅₀ oral: 5,750 mg/kg (Rat) LD₅₀ dermal: 7,500 mg/kg (Rabbit)
methyl methacrylate CAS No.: 80-62-6 EC No.: 201-297-1	LD₅₀ oral: 7,870 mg/kg (Rat) LD₅₀ dermal: >5,000 mg/kg (Rabbit) LC₅₀ Acute inhalation toxicity (dust/mist): 29.8 mg/l 4 h (Rat)

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:

Causes skin irritation.

Serious eye damage/irritation:

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

Respiratory or skin sensitisation:

May cause an allergic skin reaction. Contains 2-ethylhexyl acrylate, tetramethylene dimethacrylate, methyl methacrylate. 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:

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

STOT-single exposure:

May cause respiratory irritation.

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

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SECTION 12: Ecological information

12.1. Toxicity

Substance name	Toxicological information
methyl methacrylate CAS No.: 80-62-6 EC No.: 201-297-1	LC₅₀ : 311 mg/l 4 d (fish) NOEC : >110 mg/l 3 d (Selenastrum capricornutum) NOEC : 37 mg/l (Daphnia magna (Big water flea)) EC₅₀ : 170 mg/l 4 d (Selenastrum capricornutum) EC₅₀ : 69 mg/l 2 d (Daphnia magna (Big water flea))

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

No data available

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

Substance name	Results of PBT and vPvB assessment
2-ethylhexyl acrylate CAS No.: 103-11-7 EC No.: 203-080-7	—
methyl methacrylate CAS No.: 80-62-6 EC No.: 201-297-1	—
tetramethylene dimethacrylate CAS No.: 2082-81-7 EC No.: 218-218-1	—
1,1'-(p-tolylimino)dipropan-2-ol CAS No.: 38668-48-3 EC No.: 254-075-1	—

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:

07 02 08 * other still bottoms and reaction residues

*: Evidence for disposal must be provided.

Waste code packaging:

15 01 04 metallic 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 1866	UN 1866	UN 1866	UN 1866

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Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.2. UN proper shipping name			
RESIN SOLUTION	RESIN SOLUTION	RESIN SOLUTION	RESIN SOLUTION
14.3. Transport hazard class(es)			
 3	 3	 3	 3
14.4. Packing group			
II	II	II	II
14.5. Environmental hazards			
No	No	No	No
14.6. Special precautions for user			
Special provisions: 640C Limited quantity (LQ): 5 L Excepted Quantities (EQ): E2 Hazard identification number (Kemler No.): 33 Classification code: F1 tunnel restriction code: (D/E) Remark:	Special provisions: 640C Limited quantity (LQ): 5 L Excepted Quantities (EQ): E2 Classification code: F1 Remark:	Special provisions: - Limited quantity (LQ): 5 L Excepted Quantities (EQ): E2 EmS-No.: F-E, S-E Remark:	Special provisions: A3 Limited quantity (LQ): Y341 Excepted Quantities (EQ): E2 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

Beschäftigungsbeschränkungen nach der Mutterschutzrichtlinie (92/85/EWG) für werdende oder stillende Mütter beachten.

Beschäftigungsbeschränkungen nach dem Jugendarbeitsschutzgesetz (94/33/EG) beachten.

Water hazard class

WGK:

1 - schwach wassergefährdend

15.2. Chemical Safety Assessment

No data available

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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

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
flammable liquids (<i>Flam. Liq. 2</i>)	H225: Highly flammable liquid and vapour.	
Skin corrosion/irritation (<i>Skin Irrit. 2</i>)	H315: Causes skin irritation.	
Respiratory or skin sensitisation (<i>Skin Sens. 1</i>)	H317: May cause an allergic skin reaction.	
STOT-single exposure (<i>STOT SE 3</i>)	H335: May cause respiratory irritation.	

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

Hazard statements	
H225	Highly flammable liquid and vapour.
H301	Toxic if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H335	May cause respiratory irritation.
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.