

SAFETY DATA SHEET

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

Revision date: 26 Feb 2021

Print date: 26 Feb 2021

Version: 1

Page 1/9



OBTEGO X-300 (A) ; Pulver (Mörtel)

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

1.1. Product identifier

Trade name/designation:

OBTEGO X-300 (A) ; Pulver (Mörtel)

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

Use of the substance/mixture:

Solvent-free 2-component methacrylate resin mortar with high compressive and flexural strength.

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
Hazardous to the aquatic environment (Aquatic Chronic 2)	H411: Toxic to aquatic life with long lasting effects.	

2.2. Label elements

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

Hazard pictograms:



GHS09

Environment

Hazard statements for environmental hazards

H411 Toxic to aquatic life with long lasting effects.

Supplemental hazard information

EUH208 Contains dibenzoyl peroxide. May produce an allergic reaction.

Precautionary statements Prevention

P273 Avoid release to the environment.

Precautionary statements Response

P391 Collect spillage.

Precautionary statements Disposal

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

2.3. Other hazards

No data available

SAFETY DATA SHEET

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

Revision date: 26 Feb 2021

Print date: 26 Feb 2021

Version: 1

Page 2/9



OBTEGO X-300 (A) ; Pulver (Mörtel)

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.: 26444-49-5 EC No.: 247-693-8	diphenyl tolyl phosphate Acute Tox. 4, Aquatic Acute 1, Aquatic Chronic 1 H302-H400-H410	0.5 - 2.5 weight-%
CAS No.: 115-86-6 EC No.: 204-112-2	triphenyl phosphate Aquatic Acute 1, Aquatic Chronic 1 Warning H400-H410	0.5 - 2.5 weight-%
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	0 - ≤ 0.5 weight-%
CAS No.: 13463-67-7 EC No.: 236-675-5	titanium dioxide The substance is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].	0 - ≤ 0.5 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.

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.

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.

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

No data available

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

5.3. Advice for firefighters

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

SAFETY DATA SHEET

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

Revision date: 26 Feb 2021

Print date: 26 Feb 2021

Version: 1

Page 3/9



OBTEGO X-300 (A) ; Pulver (Mörtel)

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:

Collect spillage. Measures to prevent aerosol and dust generation Wet clean or vacuum up solids.

For cleaning up:

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.

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. Do not breathe dust.

Fire prevent measures:

Take precautionary measures against static discharges. Keep container tightly closed in a cool, well-ventilated place.

Measures to prevent aerosol and dust generation:

Dust should be exhausted directly at the point of origin. Additional measures for respiratory protection High efficiency particulate air filter (HEPA filter)

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.

7.3. Specific end use(s)

No data available

SAFETY DATA SHEET

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

Revision date: 26 Feb 2021

Print date: 26 Feb 2021

Version: 1

Page 4/9



OBTEGO X-300 (A) ; Pulver (Mörtel)

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
DFG (DE)	triphenyl phosphate CAS No.: 115-86-6 EC No.: 204-112-2	① 10 mg/m ³ ② 20 mg/m ³ ⑤ (einatembare Fraktion)
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)
DFG (DE)	titanium dioxide CAS No.: 13463-67-7 EC No.: 236-675-5	① 0.3 mg/m ³ multipliziert mit der Materialdichte ② 2.4 mg/m ³ multipliziert mit der Materialdichte ⑤ (alveolengängige 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

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.

Respiratory protection:

Suitable respiratory protection apparatus: Filter P1 Particle filter device (DIN EN 143)

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: solid

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	<i>not determined</i>			
Decomposition temperature	<i>not determined</i>			

SAFETY DATA SHEET

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

Revision date: 26 Feb 2021

Print date: 26 Feb 2021

Version: 1

Page 5/9



OBTEGO X-300 (A) ; Pulver (Mörtel)

parameter		at °C	Method	Remark
Flash point	<i>not applicable</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	<i>not determined</i>			
Vapour density	<i>not determined</i>			
Density	1.35 g/cm ³			Bulk density
Bulk density	1.35 g/cm ³			
Water solubility	<i>not applicable</i>			
Partition coefficient: n-octanol/water	<i>not determined</i>			
Dynamic viscosity	<i>not applicable</i>			
Kinematic viscosity	<i>not applicable</i>			

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

No further relevant information available.

10.2. Chemical stability

No data available

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

No further relevant information available.

10.5. Incompatible materials

Reaction with: Alkali (lye), Amines, Strong acid

10.6. Hazardous decomposition products

No known hazardous decomposition products.

Further information

No special measures are necessary. Do not allow to enter into surface water or drains.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Substance name	Toxicological information
diphenyl tolyl phosphate CAS No.: 26444-49-5 EC No.: 247-693-8	LD₅₀ oral: 1,420 mg/kg (Rat)
triphenyl phosphate CAS No.: 115-86-6 EC No.: 204-112-2	LD₅₀ oral: 3,500 mg/kg (Rat) LD₅₀ dermal: >7,900 mg/kg (Rabbit)
dibenzoyl peroxide CAS No.: 94-36-0 EC No.: 202-327-6	LD₅₀ oral: 7,710 mg/kg (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.

SAFETY DATA SHEET

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

Revision date: 26 Feb 2021

Print date: 26 Feb 2021

Version: 1

Page 6/9



OBTEGO X-300 (A) ; Pulver (Mörtel)

Skin corrosion/irritation:

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

Serious eye damage/irritation:

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

Respiratory or skin sensitisation:

Contains dibenzoyl peroxide. 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:

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
triphenyl phosphate CAS No.: 115-86-6 EC No.: 204-112-2	LC₅₀: 0.3 - 290 mg/l 4 d (fish, Carassius auratus (goldfish)) EC₅₀: 1 - 1 mg/l 2 d (crustaceans) EC₅₀: 2 - 2 mg/l 3 d (Algae/water plant) EC₅₀: 2 - 2 mg/l 4 d (Algae/water plant)

Aquatic toxicity:

Toxic to aquatic life with long lasting effects.

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
diphenyl tolyl phosphate CAS No.: 26444-49-5 EC No.: 247-693-8	—
triphenyl phosphate CAS No.: 115-86-6 EC No.: 204-112-2	—
dibenzoyl peroxide CAS No.: 94-36-0 EC No.: 202-327-6	—

12.6. Other adverse effects

No data available

SAFETY DATA SHEET

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

Revision date: 26 Feb 2021

Print date: 26 Feb 2021

Version: 1

Page 7/9



OBTEGO X-300 (A) ; Pulver (Mörtel)

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:

01 04 09	Waste sand and clays
----------	----------------------

Waste code packaging:









15 01 01	paper and cardboard 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 3077	UN 3077	UN 3077	UN 3077
14.2. UN proper shipping name			
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Diphenylkresylphosphat, Triphenylphosphat)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Diphenylkresylphosphat, Triphenylphosphat)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Diphenylkresylphosphat, Triphenylphosphat)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Diphenylkresylphosphat, Triphenylphosphat)
14.3. Transport hazard class(es)			
 9	 9	 9	 9
14.4. Packing group			
III	III	III	III
14.5. Environmental hazards			
		 MARINE POLLUTANT	

SAFETY DATA SHEET

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

Revision date: 26 Feb 2021

Print date: 26 Feb 2021

Version: 1

Page 8/9



OBTEGO X-300 (A) ; Pulver (Mörtel)

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: 274 335 375 601 Limited quantity (LQ): 5 kg Excepted Quantities (EQ): E1 Hazard identification number (Kemler No.): 90 Classification code: M7 tunnel restriction code: (-) Remark:	Special provisions: 274 335 375 601 Limited quantity (LQ): 5 kg Excepted Quantities (EQ): E1 Classification code: M7 Remark:	Special provisions: 274 335 966 967 969 Limited quantity (LQ): 5 kg Excepted Quantities (EQ): E1 EmS-No.: F-A, S-F Remark:	Special provisions: A97 A158 A179 A197 Limited quantity (LQ): Y956 Excepted Quantities (EQ): E1 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:

2 - deutlich 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

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
Hazardous to the aquatic environment (Aquatic Chronic 2)	H411: Toxic to aquatic life with long lasting effects.	

SAFETY DATA SHEET

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

Revision date: 26 Feb 2021

Print date: 26 Feb 2021

Version: 1

Page 9/9



OBTEGO X-300 (A) ; Pulver (Mörtel)

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

Hazard statements	
H241	Heating may cause a fire or explosion.
H302	Harmful if swallowed.
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.

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.