

SAFETY DATA SHEET

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

Date of creation: 24 Jul 2024

Revised on: 15 Apr 2026

Version: 2

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OBTEGO X-200 (A) Kartusche

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

1.1. Product identifier

Trade name/designation:

OBTEGO X-200 (A) Kartusche

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 Essenbach/Altheim

Germany

Telephone: +49 8703/93844-0

Telefax: +49 8703/93844-29

Email: sdb@obtego.com

Website: www.obtego.com

Email (competent person): sdb@obtego.com

1.4. Emergency telephone number

Giftnotruf, München, 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.

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Hazard statements for health hazards	
H335	May cause respiratory irritation.
Supplemental hazard information	
EUH208	Contains 2-Ethylhexylacrylat, 1,4-Butandioldimethacrylat, Methylmethacrylat, N-Hydroxyethyl-N-methyl-p-toluidine. May produce an allergic reaction.
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 and eye protection/face protection.
Precautionary statements Response	
P370 + P378	In case of fire: Use sand, earth, extinguishing powder or foam to extinguish.
Precautionary statements Storage	
P403 + P235	Store in a well-ventilated place. Keep cool.
Precautionary statements Disposal	
P501	Dispose of waste according to applicable legislation.

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 Index No.: 607-107-00-7	2-ethylhexyl acrylate STOT SE 3 (H335), Skin Irrit. 2 (H315), Skin Sens. 1 (H317)  Warning	10 - ≤ 25 weight-%
CAS No.: 80-62-6 EC No.: 201-297-1 Index No.: 607-035-00-6	methyl methacrylate Flam. Liq. 2 (H225), STOT SE 3 (H335), Skin Irrit. 2 (H315), Skin Sens. 1 (H317)   Danger	10 - < 25 weight-%
CAS No.: 2082-81-7 EC No.: 218-218-1 Index No.: 607-766-00-0	tetramethylene dimethacrylate Skin Sens. 1B (H317)  Warning	0.5 - < 2.5 weight-%
CAS No.: 2842-44-6 EC No.: 220-638-5	2-(N-methyl-p-toluidino)ethanol Aquatic Chronic 2 (H411), Eye Irrit. 2 (H319), Skin Sens. 1 (H317)   Warning	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.

If unconscious but breathing normally, place in recovery position and seek medical advice. Do not leave affected person unattended. Remove contaminated, saturated clothing.

Following inhalation:

Provide fresh air. In case of respiratory tract irritation, consult a physician.

In case of skin contact:

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

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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.

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. Get medical advice/attention if you feel unwell. Let 1 glass of water be drunk in little sips (dilution effect).

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

Suitable extinguishing media:

Foam Dry sand, CO₂

Unsuitable extinguishing media:

Full water jet

5.2. Special hazards arising from the substance or mixture

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

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.

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)

Other information:

Provide adequate ventilation.

6.4. Reference to other sections

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

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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.

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, smoke, sniff. Avoid contact with skin, eyes and clothes.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

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

Keep container tightly closed.

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 (TRGS 510, Germany): 3 – Flammable liquids

Further information on storage conditions:

Keep in a cool, well-ventilated place. Protect from direct sunlight.

7.3. Specific end use(s)

GISCODE:

RMA 10

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) from 1 Feb 2009	2-ethylhexyl acrylate CAS No.: 103-11-7 EC No.: 203-080-7	① 5 ppm (38 mg/m³) ② 5 ppm (38 mg/m³) ⑤ (Aerosol und Dampf) DFG, Sh, Y, 11
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/m³) ② 100 ppm (420 mg/m³) ⑤ DFG, EU, Y

8.1.2. Biological limit values

No data available

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8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
methyl methacrylate CAS No.: 80-62-6 EC No.: 201-297-1	210 mg/m³	① DNEL worker ② Long-term - inhalation, systemic effects
methyl methacrylate CAS No.: 80-62-6 EC No.: 201-297-1	13.67 mg/kg bw/day	① DNEL worker ② Long-term - dermal, local effects

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 EN 166

Skin protection:

Wear protective gloves. EN ISO 374 Suitable material: Butyl caoutchouc (butyl rubber)
Breakthrough times and swelling properties of the material must be taken into consideration. Tested protective gloves must be worn Breakthrough time: 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 type:A

Other protection measures:

Do not eat, drink or smoke when using this product.
Remove contaminated, saturated clothing immediately.
Wash hands before breaks and after work.

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

Form: Liquid

Colour: pigmented

Odour: not determined

flammability: No data available

Safety relevant basis data

Parameter	Value	at °C	① Method ② Remark
pH	No data available		
Melting point	-48 °C		
Freezing point	No data available		
Initial boiling point and boiling range	100 °C		
Flash point	10 °C		
Evaporation rate	No data available		
Auto-ignition temperature	245 °C		
Upper/lower flammability or explosive limits	0.8 - 12.5 Vol-%		
Vapour pressure	38.7 hPa	20 °C	
Vapour density	No data available		

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Parameter	Value	at °C	① Method ② Remark
Density	1.15 g/cm ³	20 °C	
Bulk density	<i>not applicable</i>		
Water solubility	poorly soluble		
Dynamic viscosity	<i>No data available</i>		
Kinematic viscosity	<i>No data available</i>		

9.2. Other information

Highly flammable liquid and vapour.

SECTION 10: Stability and reactivity

10.1. Reactivity

Highly flammable liquid and vapour. 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

10.5. Incompatible materials

Reaction with: Peroxides & Other: Radical former

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 hazard classes as defined in Regulation (EC) No 1272/2008

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 (vapour): 29.8 mg/L 4 h (rat)

LC₅₀ Acute inhalation toxicity (dust/mist): 29.8 mg/L 4 h (Rat)

2-(N-methyl-p-toluidino)ethanol CAS No.: 2842-44-6 EC No.: 220-638-5

LD₅₀ oral: >2,000 mg/kg (rat) EPA OPPTS 870.1100 (Acute Oral Toxicity)

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.

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Respiratory or skin sensitisation:

May cause an allergic skin reaction. Contains 2-(N-methyl-p-toluidino)ethanol. 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

11.2. Information on other hazards

No data available

SECTION 12: Ecological information

12.1. Toxicity

methyl methacrylate CAS No.: 80-62-6 EC No.: 201-297-1
LC₅₀ : 311 mg/L 4 d (fish)
LC₅₀ : >79 mg/L 4 d (fish, <i>Oncorhynchus mykiss</i> (previous name: <i>Salmo gairdneri</i>)) EPA OTS 797.1400 (Fish Acute Toxicity Test)
EC₅₀ : 170 mg/L 4 d (<i>Selenastrum capricornutum</i>)
EC₅₀ : 69 mg/L 2 d (<i>Daphnia magna</i> (Big water flea))
EC₅₀ : >110 mg/L 3 d (Algae/water plant, <i>Raphidocelis subcapitata</i> (previous names: <i>Pseudokirchneriella subcapitata</i> , <i>Selenastrum capricornutum</i>)) OECD Guideline 201 (Alga, Growth Inhibition Test)
EC₅₀ : 69 mg/L 2 d (crustaceans, <i>Daphnia magna</i>) EPA OTS 797.1300 (Aquatic Invertebrate Acute Toxicity Test, Freshwater Daphnids)
NOEC : >110 mg/L 3 d (<i>Selenastrum capricornutum</i>)
NOEC : 37 mg/L (<i>Daphnia magna</i> (Big water flea))
NOEC : 110 mg/L 3 d (Algae/water plant, <i>Raphidocelis subcapitata</i> (previous names: <i>Pseudokirchneriella subcapitata</i> , <i>Selenastrum capricornutum</i>)) OECD Guideline 201 (Alga, Growth Inhibition Test)
NOEC : 9.4 mg/L 35 d (fish, <i>Danio rerio</i> (previous name: <i>Brachydanio rerio</i>)) OECD Guideline 210 (Fish, Early-Life Stage Toxicity Test)
NOEC : 37 mg/L 21 d (crustaceans, <i>Daphnia magna</i>) OECD Guideline 211 (<i>Daphnia magna</i> Reproduction Test)
LOEC : 18.8 mg/L 35 d (fish, <i>Danio rerio</i> (previous name: <i>Brachydanio rerio</i>)) OECD Guideline 210 (Fish, Early-Life Stage Toxicity Test)
LOEC : 68 mg/L 21 d (crustaceans, <i>Daphnia magna</i>) OECD Guideline 211 (<i>Daphnia magna</i> Reproduction Test)
2-(N-methyl-p-toluidino)ethanol CAS No.: 2842-44-6 EC No.: 220-638-5
LC₅₀ : 7.03 mg/L 2 d (crustaceans, <i>Daphnia magna</i>) OECD Guideline 202 (<i>Daphnia</i> sp. Acute Immobilisation Test)
NOEC : 10 mg/L 3 d (Algae/water plant, <i>Desmodesmus subspicatus</i> (previous name: <i>Scenedesmus subspicatus</i>)) OECD Guideline 201 (Freshwater Alga and Cyanobacteria, Growth Inhibition Test)
NOEC : 4.6 mg/L 2 d (crustaceans, <i>Daphnia magna</i>) OECD Guideline 202 (<i>Daphnia</i> sp. Acute Immobilisation Test)
LOEC : 32 mg/L 3 d (Algae/water plant, <i>Desmodesmus subspicatus</i> (previous name: <i>Scenedesmus subspicatus</i>)) OECD Guideline 201 (Freshwater Alga and Cyanobacteria, Growth Inhibition Test)
LOEC : 10 mg/L 2 d (crustaceans, <i>Daphnia magna</i>) OECD Guideline 202 (<i>Daphnia</i> sp. Acute Immobilisation Test)

12.2. Persistence and degradability

2-ethylhexyl acrylate CAS No.: 103-11-7 EC No.: 203-080-7
Biodegradation: —

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methyl methacrylate CAS No.: 80-62-6 EC No.: 201-297-1

Biodegradation: Poorly biodegradable.

12.3. Bioaccumulative potential

methyl methacrylate CAS No.: 80-62-6 EC No.: 201-297-1

Log K_{OW}: 1.38

2-(N-methyl-p-toluidino)ethanol CAS No.: 2842-44-6 EC No.: 220-638-5

Log K_{OW}: 2.2

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

2-ethylhexyl acrylate CAS No.: 103-11-7 EC No.: 203-080-7

Results of PBT and vPvB assessment: —

methyl methacrylate CAS No.: 80-62-6 EC No.: 201-297-1

Results of PBT and vPvB assessment: This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

tetramethylene dimethacrylate CAS No.: 2082-81-7 EC No.: 218-218-1

Results of PBT and vPvB assessment: —

2-(N-methyl-p-toluidino)ethanol CAS No.: 2842-44-6 EC No.: 220-638-5

Results of PBT and vPvB assessment: This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

12.6. Endocrine disrupting properties

No data available

12.7. Other adverse effects

water hazard class 1 slightly hazardous to water

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Consult the appropriate authorities about waste disposal.

Do not allow to enter into surface water or drains.

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.

Directive 2008/98/EC (Waste Framework Directive)

HP 3 Flammable

HP 4 Irritant — skin irritation and eye damage

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 number or ID number			
1866	1866	1866	1866
14.2. UN proper shipping name			
RESIN SOLUTION	RESIN SOLUTION	RESIN SOLUTION	RESIN SOLUTION

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Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
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: 640D Limited quantity (LQ): 5 L Excepted Quantities (EQ): E2 Hazard identification number (Kemler No.): 33 Classification code: F1 Tunnel restriction code: (D/E)	Special Provisions: 640D Limited quantity (LQ): 5 L Excepted Quantities (EQ): E2 Classification code: F1	Special Provisions: - Limited quantity (LQ): 5 L Excepted Quantities (EQ): E2 EmS-No.: F-E, <u>S-E</u>	Special Provisions: A3 Limited quantity (LQ): Y341 Excepted Quantities (EQ): E2

14.7. Maritime transport in bulk according to IMO instruments

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

Other regulations (EU):

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive], Hazard categories:

- P5c Flammable liquids of Categories 2 or 3, not covered by P5a and P5b

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients are included.

Seveso category P5c FLAMMABLE LIQUIDS

Quantity threshold (in tonnes) for use in lower-tier establishments 5,000 t

Quantity threshold (in tonnes) for use in upper-tier establishments 50,000 t

REGULATION (EC) No 1907/2006 ANNEX XVII Restriction conditions: 3.

Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment Annex II

None of the ingredients are included.

REGULATION (EU) 2019/1148

Annex I - RESTRICTED EXPLOSIVE OUTPUTS (Upper concentration limit for authorisation under Article 5(3))

None of the ingredients are present.

Annex II - DECLARABLE EXPLOSIVE EXIT SUBSTANCES

None of the ingredients is included.

Regulation (EC) No 273/2004 on drug precursors

None of the ingredients are included.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug substitutes

None of the ingredients are included

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Directive 2004/42/EC on the limitation of emissions of volatile organic compounds:

Volatile organic compound (VOC) content: 0 weight-%

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 juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Störfallverordnung (12. BImSchV)

for substances contained in the product:

Hazard categories:

- P5c Flammable liquids of Categories 2 or 3, not covered by P5a and P5b

Water hazard class

WGK:

1 - slightly hazardous to water

Technische Regeln für Gefahrstoffe

TRGS 200, TRGS 401, TRGS 510, TRGS 720, TRGS 721, TRGS 722, TRGS 800, TRGS 900, TRGS 905

Berufsgenossenschaftliche Vorschriften (DGUV-Vorschriften)

Berufsgenossenschaftliche Informationen (DGUV-Informationen) BGI 595, BGI 564, BGI 621

Other regulations, restrictions and prohibition regulations

Hazardous Substances Ordinance (GefStoffV) (WHG)

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

Substance name	Type	source of supply
2-(N-methyl-p-toluidino)ethanol CAS No.: 2842-44-6 EC No.: 220-638-5	Classification of the substance or mixture; LD ₅₀ oral; LC ₅₀ ; NOEC; LOEC	Source: European Chemicals Agency, http://echa.europa.eu/
methyl methacrylate CAS No.: 80-62-6 EC No.: 201-297-1	LC ₅₀ Acute inhalation toxicity (vapour); LC ₅₀ ; EC ₅₀ ; NOEC; LOEC	Source: European Chemicals Agency, http://echa.europa.eu/

16.4. Classification for mixtures and used evaluation method 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. List of relevant hazard statements and/or precautionary statements from sections 2 to 15

Hazard statements	
H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.

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Hazard statements	
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H411	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.

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

1.1. Product identifier

Trade name/designation:

OBTEGO X-200 (B) - Kartusche

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

Use of the substance/mixture:

Hardener for X-200(A) - cartridges

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 Essenbach/Altheim

Germany

Telephone: +49 8703/93844-0

Telefax: +49 8703/93844-29

Email: sdb@obtego.com

Website: www.obtego.com

Email (competent person): sdb@obtego.com

1.4. Emergency telephone number

Giftnotruf, München, 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.	
Hazardous to the aquatic environment (<i>Aquatic Chronic 3</i>)	H412: Harmful 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

Signal word: Warning

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Hazard components for labelling:

Dibenzoylperoxide; Benzoylperoxide

Hazard statements for health hazards

H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

Hazard statements for environmental hazards

H412	Harmful to aquatic life with long lasting effects.
------	--

Precautionary statements Prevention

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P234	Keep only in original packaging.
P262	Do not get in eyes, on skin, or on clothing.
P264	Wash hands thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing and eye protection/face protection.

Precautionary statements Response

P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P370 + P378	In case of fire: Use Water spray, Carbon dioxide (CO2), alcohol resistant foam to extinguish.

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

Description:

Organic peroxides

Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 94-49-5 EC No.: 202-338-6 REACH No.: 01-2120759933-41	Ethylene dibenzoate Aquatic Chronic 2 (H411)  Acute Toxicity Estimate ATE (oral) > 2,000 mg/kg ATE (dermal) > 2,000 mg/kg	10 - 20 weight-%
CAS No.: 94-36-0 EC No.: 202-327-6 Index No.: 617-008-00-0	Dibenzoylperoxide; Benzoylperoxide Aquatic Acute 1 (H400), Aquatic Chronic 1 (H410), Eye Irrit. 2 (H319), Org. Perox. B (H241), Skin Sens. 1 (H317)  Danger M-factor (acute): 10 M-factor (chronic): 10	10 - 20 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.
organische

Following inhalation:

Remove casualty to fresh air and keep warm and at rest.

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Provide fresh air. In case of respiratory tract irritation, consult a physician.

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:

Rinse immediately carefully and thoroughly with eye-bath or water. 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. Let 1 glass of water be drunken 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

Frequently or prolonged contact with skin may cause dermal irritation. Allergic reactions Serious eye damage/eye irritation

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

First Aid, decontamination, treatment of symptoms.

If unconscious but breathing normally, place in recovery position and seek medical advice.

No mouth-to-mouth or mouth-to-nose resuscitation. Use Ambu bag or ventilator. Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water spray, Carbon dioxide (CO₂) alcohol resistant foam Use extinguishing powder to extinguish.

Unsuitable extinguishing media:

Full water jet, Halons Water spray

5.2. Special hazards arising from the substance or mixture

Special precautions for user Caution! Reignition may occur. Decomposition when heated. In case of fire, the product supports combustion.

Hazardous combustion products: Carbon dioxide (CO₂) Carbon monoxide halogenated hydrocarbons Combustible

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. DIN EN 469.

Fight fire with normal precautions from a reasonable distance. Co-ordinate fire-fighting measures to the fire surroundings. Use water spray jet to protect personnel and to cool endangered containers.

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. Special danger of slipping by leaking/spilling product. Provide adequate ventilation. Wear breathing apparatus if exposed to vapours/dusts/aerosols. Special danger of slipping by leaking/spilling product.

Protective equipment:

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

Emergency procedures:

Move undamaged containers from immediate hazard area if it can be done safely. emergency procedures observe

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6.1.2. For emergency responders

Personal protection equipment:

Personal protection equipment: see section 8. Remove persons to safety. Ventilate affected area.

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:

Decomposition products in case of fire: see section 5. Wear personal protection equipment (refer to section 8). Disposal: see section 13

Fire prevent measures:

Usual measures for fire prevention.

The product is: Combustible

Measures to prevent aerosol and dust generation:

Dust should be exhausted directly at the point of origin.

Advices on general occupational hygiene

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

Wash hands before breaks and after work.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

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

Storage class (TRGS 510, Germany): 11 - Combustible solids that cannot be assigned to any of the above storage classes

7.3. Specific end use(s)

Recommendation:

See section:1 Further information: see technical data sheet.

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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) from 17 Jun 2024	Dibenzoylperoxide; Benzoylperoxide CAS No.: 94-36-0 EC No.: 202-327-6	① 1 mg/m ³ ② 4 mg/m ³ ⑤ (alveolengängige Fraktion) DFG, Y
TRGS 900 (DE) from 17 Jun 2024	Dibenzoylperoxide; Benzoylperoxide CAS No.: 94-36-0 EC No.: 202-327-6	① 4 mg/m ³ ② 8 mg/m ³ ⑤ (eintembare Fraktion) DFG, Y

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

If handled uncovered, arrangements with local exhaust ventilation should be used if possible.
Open windows to ensure natural ventilation.

8.2.2. Personal protection equipment



Eye/face protection:

Eye glasses with side protection EN 166 Do not wear contact lenses.

Skin protection:

For the protection against direct skin contact, body protective clothing is essential (in addition to the usual working clothes).

Only wear fitting, comfortable and clean protective clothing.

Wear protective gloves in accordance with EN 374: e.g. made of nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm), etc.

Follow the manufacturer's instructions.

Suitable for short-term work or as splash protection: gloves made of butyl rubber/nitrile rubber (> 0.1 mm). Change and dispose of contaminated gloves immediately.

Gloves made of the following materials are suitable for prolonged contact: fluorine rubber (Viton/0.4 mm).

Tested protective gloves must be worn EN ISO 374 Suitable material: Breakthrough time: min In the case of wanting to use the gloves again, clean them before taking off and air them well.

Respiratory protection:

Industrial/Commercial: Use respiratory protection unless adequate local exhaust ventilation/extraction is available or an exposure assessment shows that exposure is within relevant guidelines. If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Provide adequate ventilation as well as local exhaustion at critical locations.. In case of inadequate ventilation wear respiratory protection.

The following CE-approved respiratory masks must be used (EN 529):

Filters for organic vapors: Type A (boiling point > 65 °C) or Type AX (boiling point < 65 °C)

Filters for organic amines: Type K

Filters for particles and aerosols (EN 143, EN 149): Half mask P1 up to 4 times, P2 up to 10 times, and P3 up to 30 times the limit value Full face mask up to 400 times the limit value. Particle filter device (EN 143)

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Thermal hazards:

Caution! Reignition may occur. Decomposition when heated. In case of fire, the product supports combustion.

8.2.3. Environmental exposure controls

Avoid release to the environment.

SECTION 6: Accidental release measures

SECTION 13: Disposal considerations

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: Liquid

Form: Paste

Colour: white

Odour: not determined

flammability: Yes

Safety relevant basis data

Parameter	Value	at °C	① Method ② Remark
pH	No data available		
Melting point	No data available		
Freezing point	No data available		
Initial boiling point and boiling range	No data available		
Decomposition temperature	> 60 °C		① (SADT)
Evaporation rate	No data available		
Vapour pressure	No data available		
Density	≈ 1.15 g/cm ³	20 °C	
Bulk density	No data available		
Water solubility	No data available		

particle characteristics:

No data available

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Organic peroxides:

Dibenzoylperoxide; Benzoylperoxide

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.
Self-accelerating decomposition temperature (SADT) 60 °C

10.3. Possibility of hazardous reactions

Exothermic reaction with: Reducing agent Oxidizing agent Acids Alkali (lye) Heavy metals

10.4. Conditions to avoid

UV-radiation/sunlight, Heat

10.5. Incompatible materials

Amines, Reducing agent Oxidizing agent Acids Alkali (lye) Heavy metals

10.6. Hazardous decomposition products

Decomposition products in case of fire: see section 5. Gases/vapours, toxic

Further information

emergency procedures observe.

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SECTION 11: Toxicological information

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

Ethylene dibenzoate	CAS No.: 94-49-5	EC No.: 202-338-6
----------------------------	------------------	-------------------

LD₅₀ oral: >2,000 mg/kg (rat) OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method)

LD₅₀ dermal: >2,000 mg/kg (rat) OECD Guideline 402 (Acute Dermal Toxicity)
--

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.

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

11.2. Information on other hazards

No data available

SECTION 12: Ecological information

12.1. Toxicity

Ethylene dibenzoate	CAS No.: 94-49-5	EC No.: 202-338-6
----------------------------	------------------	-------------------

LC₅₀: >0.434 mg/L 4 d (fish, Danio rerio (previous name: Brachydanio rerio)) OECD Guideline 203 (Fish, Acute Toxicity Test)

EC₅₀: >0.87 mg/L 3 d (Algae/water plant, Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)) OECD Guideline 201 (Freshwater Alga and Cyanobacteria, Growth Inhibition Test)
--

EC₅₀: >2.4 mg/L 2 d (crustaceans, Daphnia magna) OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

NOEC: 0.045 mg/L 3 d (Algae/water plant, Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)) OECD Guideline 201 (Freshwater Alga and Cyanobacteria, Growth Inhibition Test)

NOEC: 0.073 mg/L 34 d (fish, Danio rerio (previous name: Brachydanio rerio)) OECD Guideline 210 (Fish, Early-Life Stage Toxicity Test)

NOEC: 0.65 mg/L 21 d (crustaceans, Daphnia magna) OECD Guideline 211 (Daphnia magna Reproduction Test)

LOEC: 0.093 mg/L 3 d (Algae/water plant, Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)) OECD Guideline 201 (Freshwater Alga and Cyanobacteria, Growth Inhibition Test)

LOEC: 1.4 mg/L 21 d (crustaceans, Daphnia magna) OECD Guideline 211 (Daphnia magna Reproduction Test)
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Dibenzoylperoxide; Benzoylperoxide CAS No.: 94-36-0 EC No.: 202-327-6
LC₅₀ : 0.06 mg/L 4 d (fish, <i>Oncorhynchus mykiss</i> (previous name: <i>Salmo gairdneri</i>)) EU Method C.1 (Acute Toxicity for Fish)
EC₅₀ : 0.071 mg/L 3 d (Algae/water plant, <i>Raphidocelis subcapitata</i> (previous names: <i>Pseudokirchneriella subcapitata</i> , <i>Selenastrum capricornutum</i>)) EU Method C.3 (Algal Inhibition test)
EC₅₀ : 0.11 mg/L 2 d (crustaceans, <i>Daphnia magna</i>) EU Method C.2 (Acute Toxicity for Daphnia)
NOEC : 0.02 mg/L 3 d (Algae/water plant, <i>Raphidocelis subcapitata</i> (previous names: <i>Pseudokirchneriella subcapitata</i> , <i>Selenastrum capricornutum</i>)) EU Method C.3 (Algal Inhibition test)
NOEC : 0.032 mg/L 4 d (fish, <i>Oncorhynchus mykiss</i> (previous name: <i>Salmo gairdneri</i>)) EU Method C.1 (Acute Toxicity for Fish)
NOEC : 0.076 mg/L 2 d (crustaceans, <i>Daphnia magna</i>) EU Method C.2 (Acute Toxicity for Daphnia)

Aquatic toxicity:

Harmful to aquatic life with long lasting effects.

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

Ethylene dibenzoate CAS No.: 94-49-5 EC No.: 202-338-6
Log K_{ow} : 5,600
Dibenzoylperoxide; Benzoylperoxide CAS No.: 94-36-0 EC No.: 202-327-6
Log K_{ow} : 3.2
Bioconcentration factor (BCF) : 8.82 L/kg

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

Ethylene dibenzoate CAS No.: 94-49-5 EC No.: 202-338-6
Results of PBT and vPvB assessment: This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.
Dibenzoylperoxide; Benzoylperoxide CAS No.: 94-36-0 EC No.: 202-327-6
Results of PBT and vPvB assessment: —

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

12.7. Other adverse effects

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

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.

Directive 2008/98/EC (Waste Framework Directive)

HP 4	Irritant — skin irritation and eye damage
HP 14	Ecotoxic

Waste code packaging

15 01 02	Plastic packaging
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Waste treatment options

Appropriate disposal / Product:

Consult the appropriate local waste disposal expert about waste disposal.

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Other disposal recommendations:

Packaging must be emptied completely (drip-free, trickle-free, spatula-clean). Packaging should preferably be reused or recycled in accordance with the applicable local/national regulations.

SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN number or ID number			
3105	3105	3105	3105
14.2. UN proper shipping name			
ORGANIC PEROXIDE TYPE D, LIQUID (Dibenzoylperoxid; Benzoylperoxid)	ORGANIC PEROXIDE TYPE D, LIQUID (Dibenzoylperoxid; Benzoylperoxid)	ORGANIC PEROXIDE TYPE D, LIQUID (Dibenzoylperoxid; Benzoylperoxid)	ORGANIC PEROXIDE TYPE D, LIQUID (Dibenzoylperoxid; Benzoylperoxid)
14.3. Transport hazard class(es)			
 5.2	 5.2	 5.2	 5.2
14.4. Packing group			
		-	
14.5. Environmental hazards			
		 MARINE POLLUTANT	
14.6. Special precautions for user			
Special Provisions: 122, 274 Limited quantity (LQ): 125 mL Excepted Quantities (EQ): E0 Classification code: P1 Tunnel restriction code: (D)	Special Provisions: 122, 274 Limited quantity (LQ): 125 mL Excepted Quantities (EQ): E0 Classification code: P1	Special Provisions: 122,274, Limited quantity (LQ): 125 mL Excepted Quantities (EQ): E0 EmS-No.: F-J, S-R	Special Provisions: A20, A150, A802 Limited quantity (LQ): Forbidden Excepted Quantities (EQ): E0 Remark: Passenger LQ: Forbidden exempt quantity: E0 IATA-packaging instructions - Passenger: 570 IATA-maximum quantity - Passenger: 5 L IATA-packaging instructions - Cargo: 570 IATA-maximum quantite - Cargo: 10 L

14.7. Maritime transport in bulk according to IMO instruments

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

Authorisations:

Restrictions on use (REACH, Annex XVII): entry 3, entry 30, entry 75

Synthetic polymer microparticles (as per entry 78 in Annex XVII of Regulation (EC) No. 1907/2006)

No synthetic microparticles are present.

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Other regulations (EU):

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]: This product is not assigned to a hazard category.

Gefahrenkategorien:

P6b Selbstzersetzliche Stoffe und Gemische, Typ C, D, E oder F, oder organische Peroxide, Typ C, D, E oder F

E1 Gewässergefährdend, Kategorie Akut 1 oder Chronisch 1

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients are included.

Seveso category

P6b SELF-RESPONSIBLE SUBSTANCES AND MIXED AND ORGANIC Peroxide E1 Hazardous to the aquatic environment

Quantity threshold (in tonnes) for use in lower-tier establishments 50 t Quantity threshold (in tonnes) for use in upper-tier establishments 200 t

Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment-Annex II

None of the ingredients are included.

REGULATION (EU) 2019/1148

Annex I - RESTRICTED EXPLOSIVE OUTPUTS (Upper concentration limit for authorisation under Art. 5(3))

None of the ingredients are present.

Annex II - DECLARABLE EXPLOSIVE EXIT SUBSTANCES

None of the ingredients is included.

Regulation (EC) No 273/2004 on drug precursors

None of the ingredients are included.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug substitutes

None of the ingredients are included.

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 juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Technische Anleitung zur Reinhaltung der Luft (TA-Luft)

Klasse 1:

5.2.5: Organic Substances specified as total carbon BEI m $\geq$ 0,50 kg/h: Konz..50 mg/m³

Water hazard class

WGK:

2 - obviously hazardous to water

Description:

Classification procedure: 1, Nr. 5 AwSV

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

ACGIH American Conference of Governmental Industrial Hygienists

ADN European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

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

ATE Acute Toxicity Estimate

AVV Waste Shipment Ordinance (DE)

BCF Bioconcentration Factor

CAS Chemical Abstracts Service

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CLP	Classification, Labelling and Packaging
DIN	German Institute for Standardization / German Industrial Standard
DNEL	derived no-effect level
EAK	European Waste Catalogue
EC ₅₀	Effective Concentration 50%
EG	European Community
EN	European Standard
ES	Exposure scenario
EU	European Union
EWC	European Waste Catalogue
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
ISO	International Standards Organisation
KG	body weight
LC ₅₀	Lethal (fatal) Concentration 50%
LD ₅₀	Lethal (fatal) Dose 50%
MAK	Maximum concentration in the workplace air (CH)
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety & Health
NOEC	No Observed Effect Concentration
OECD	Organisation for Economic Cooperation and Development
OSHA	Occupational Safety & Health Administration
PBT	persistent and bioaccumulative and toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation and Authorization of Chemicals
RID	Dangerous goods regulations for transport by rail
TRGS	Technische Regeln für Gefahrstoffe
UN	United Nations

16.3. Key literature references and sources for data

Substance name	Type	source of supply
Ethylene dibenzoate CAS No.: 94-49-5 EC No.: 202-338-6	Classification of the substance or mixture; LD ₅₀ oral; LD ₅₀ dermal; LC ₅₀ ; EC ₅₀ ; NOEC; LOEC	Source: European Chemicals Agency, http://echa.europa.eu/
Dibenzoylperoxide; Benzoylperoxide CAS No.: 94-36-0 EC No.: 202-327-6	LC ₅₀ ; EC ₅₀ ; NOEC	Source: European Chemicals Agency, http://echa.europa.eu/

16.4. Classification for mixtures and used evaluation method 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.	
Hazardous to the aquatic environment (<i>Aquatic Chronic 3</i>)	H412: Harmful to aquatic life with long lasting effects.	

16.5. List of relevant hazard statements and/or precautionary statements from sections 2 to 15

Hazard statements	
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.

SAFETY DATA SHEET

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

Date of creation: 13 Feb 2026

Revised on: 21 Jul 2026

Version: 1

OBTEGO
NOT JUST SURFACE

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Hazard statements

H411	Toxic to aquatic life with long lasting effects.
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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.