

SAFETY DATA SHEET

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

Date of creation: 27 Feb 2025

Revised on: 8 May 2026

Version: 1.2, replaces version 1.1

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OBTEGO Matting Agent (R-50)

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

1.1. Product identifier

Trade name/designation:

OBTEGO Matting Agent (R-50)

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

No data available

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

E-mail: sdb@obtego.com

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]

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

2.2. Label elements

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

Hazard components for labelling:

formaldehyde

Hazard statements: none

Supplemental hazard information

EUH208	Contains formaldehyde. May produce an allergic reaction.
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Precautionary statements Prevention

P261	Avoid breathing dust/mist.
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P280	Wear eye protection/face protection.
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Precautionary statements Response

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

P402 + P404	Store in a dry place. Store in a closed container.
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2.3. Other hazards

No data available

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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.: 50-00-0 EC No.: 200-001-8 Index No.: 605-001-00-5 REACH No.: 01-2119488953-20-XXXX	formaldehyde Acute Tox. 2 (H330), Acute Tox. 4 (H302), Carc. 1B (H350), Muta. 2 (H341), Skin Corr. 1B (H314), Skin Sens. 1A (H317)    Danger EUH071 Specific concentration limit (SCL) STOT SE 3; H335: C ≥ 5% Skin Corr. 1B; H314: C ≥ 25% Skin Irrit. 2; H315: 5% ≤ C < 25% Eye Irrit. 2; H319: 5% ≤ C < 25%	0 - < 0.1 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:

Take off immediately all contaminated clothing and wash it before reuse. 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. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

In case of skin contact:

Rinse off with warm water.

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 out mouth and drink plenty of water. Rinse mouth. Let 1 glass of water be drunken 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 further relevant information available. May cause respiratory irritation. No known symptoms to date.

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:

Co-ordinate fire-fighting measures to the fire surroundings.

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 Carbon monoxide

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.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

Avoid breathing dust/fume/gas/mist/vapours/spray. Remove persons to safety.

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:

Take up mechanically.

Other information:

No hazardous substances are released

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). Do not breathe dust.

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, 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.

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)

No data available

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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 2 Mar 2015	formaldehyde CAS No.: 50-00-0 EC No.: 200-001-8	① 0.3 ppm (0.37 mg/m ³) ② 0.6 ppm (0.74 mg/m ³) ⑤ AGS, Sh, Y, X
BOELV (EU) from 11 Jul 2019	formaldehyde CAS No.: 50-00-0 EC No.: 200-001-8	① 0.3 ppm (0.37 mg/m ³) ② 0.6 ppm (0.74 mg/m ³)

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 EN 166

Skin protection:

Tested protective gloves must be worn EN ISO 374 The glove material must be impermeable and resistant to the product / substance / preparation.

Respiratory protection:

Respiratory protection necessary at: aerosol or mist formation. Particle filter device (EN 143):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: solid

Form: Powder

Colour: white

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	No data available		
Freezing point	No data available		
Initial boiling point and boiling range	No data available		
Evaporation rate	No data available		
Vapour pressure	23 hPa	20 °C	
Density	No data available		
Bulk density	No data available		
Water solubility	No data available		

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particle characteristics:

No data available

9.2. Other information

9.2.2. Other safety characteristics

Parameter	Value	① Method ② Remark
Minimum ignition energy	> 1,000 mJ	
KSt-value	80 bar*m/s	
Dust explosibility	St1	

SECTION 10: Stability and reactivity

10.1. Reactivity

No further relevant information available.

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

No further relevant information available.

10.4. Conditions to avoid

No data available

10.5. Incompatible materials

No data available

10.6. Hazardous decomposition products

No data available

SECTION 11: Toxicological information

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

formaldehyde CAS No.: 50-00-0 EC No.: 200-001-8
ATE (oral)¹: 500 mg/kg
ATE (inhalation, gases)¹: 100 ppmV
LD₅₀ oral: 100 mg/kg (Rat)
LD₅₀ dermal: 292 mg/kg (Rabbit)

¹: Acute Toxicity Estimate. Harmonised (legal) classification.

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:

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

Respiratory or skin sensitisation:

Contains formaldehyde. 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.

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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.

11.2. Information on other hazards

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.

SECTION 12: Ecological information

12.1. Toxicity

formaldehyde CAS No.: 50-00-0 EC No.: 200-001-8

LC₅₀: 1.41 – 330 mg/L 4 d (fish)

LC₅₀: 954 – 1,160 mg/L 2 d (crustaceans)

EC₅₀: 5.8 – 29 mg/L 2 d (crustaceans)

LC₅₀: 11.8 mg/L 2 d (fish, *Morone saxatilis*)

LC₅₀: 6.7 mg/L 4 d (fish, *Morone saxatilis*)

EC₅₀: 3.48 mg/L 3 d (Algae/water plant, *Desmodesmus subspicatus* (previous name: *Scenedesmus subspicatus*))
OECD Guideline 201 (Alga, Growth Inhibition Test)

EC₅₀: 5.8 mg/L 2 d (crustaceans, *Daphnia pulex*) OECD Guideline 202 (*Daphnia* sp. Acute Immobilisation Test)

NOEC: ≥6.4 mg/L 21 d (crustaceans, *Daphnia magna*) OECD Guideline 211 (*Daphnia magna* Reproduction Test)

12.2. Persistence and degradability

Polymethylharnstoffharz CAS No.: 9011-05-6

Biodegradation: not applicable

Additional information:

Do not enter groundwater, bodies of water or sewers undiluted or in large quantities
let.

12.3. Bioaccumulative potential

formaldehyde CAS No.: 50-00-0 EC No.: 200-001-8

Log K_{OW}: 0.35

Bioconcentration factor (BCF): < 1 Species: other: various fish species

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

Polymethylharnstoffharz CAS No.: 9011-05-6

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

formaldehyde CAS No.: 50-00-0 EC No.: 200-001-8

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

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

12.6. Endocrine disrupting properties

This substance does not have endocrine disrupting properties with respect to humans.

12.7. Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Must not be disposed of together with household waste. Do not allow to enter into surface water or drains.

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13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product

06 13 99	Wastes not otherwise specified
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Remark:

Dispose of waste according to applicable legislation.

Waste code packaging

15 02 03	absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02
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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			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.2. UN proper shipping name			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.3. Transport hazard class(es)			
not relevant	not relevant	not relevant	not relevant
14.4. Packing group			
not relevant	not relevant	not relevant	not relevant
14.5. Environmental hazards			
not relevant	not relevant	not relevant	not relevant
14.6. Special precautions for user			
not relevant	not relevant	not relevant	not relevant

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

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

The synthetic polymer microparticles contained therein are subject to the conditions of entry 78 in Annex XVII of Regulation (EC) No. 1907/2006.

type of polymer	CAS No.	EC No.	Concentration
Polymethylharnstoffharz	9011-05-6		85 - 90 weight-%

Other regulations (EU):

Undertake operation under enclosed conditions. Do not allow to enter into surface water or drains. Clean equipment and surfaces after use, preferably using mechanical methods (e.g. cloths); dispose of any residues as solid waste. Collect cleaning water separately and dispose of it appropriately; do not discharge it into the sewer system. Collect product residues and contaminated packaging in sealed containers; do not rinse them out; dispose of them in accordance with legal requirements.

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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).

Water hazard class

WGK:

1 - slightly hazardous to water

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

No data available

16.3. Key literature references and sources for data

Substance name	Type	source of supply
formaldehyde CAS No.: 50-00-0 EC No.: 200-001-8	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]

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

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

Hazard statements	
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H335	May cause respiratory irritation.
H341	Suspected of causing genetic defects.
H350	May cause cancer.

Supplemental hazard information	
EUH071	Corrosive to the respiratory tract.

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.