

M BIOTIC Clean Odor Remover

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

1.1 - Product identifier

Trade name/designation M BIOTIC Clean Odor Remover

Chemical name

Product-type Mixture

Product code MBIO001

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

Relevant identified uses - Odor Destroyer

1.3 - Details of the supplier of the safety data sheet

M Solution GmbH

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Website <https://msolutiongroup.de/>

Email: info@msolutiongroup.de

1.4 - Emergency telephone number

- Giftnotruf der Charité

CBF, Haus VIII (Wirtschaftsgebäude), UG

Hindenburgdamm 30, 12203 Berlin

Tel.: + 49 (0) 30/19240 Germany

- Giftnotruf München

Ismaninger Straße 22, 81675 München

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- BfR Bundesinstitut für Risikobewertung / German Federal Institute for Risk Assessment

Max-Dohrn-Str. 8-10, 10589 Berlin

Emergency number: +49 30 19240

bfr@bfr.bund.de Germany

SECTION 2: Hazards identification

2.1 - Classification of the substance or mixture

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

Not Classified	Not classified
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2.2 - Label elements

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

Signal word : None

Pictograms : None

Hazard statements : None

Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.

EUH-phrases

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EUH208 Contains d-limonene. May produce an allergic reaction.

Regulation (EC) No. 648/2004 (Detergents regulation)

Contains:

- less than 5%: nonionic surfactants
- Microorganisms EU Risk Group 1
- perfumes
- Preservative: Sodium Benzoate
- D-Limonene
- Linalool

2.3 - Other hazards

PBT-substance. - PBT Substances / Mixtures: No.

vPvB-substance. - vPVB substances / mixtures: No.

SECTION 3: Composition / information on ingredients

3.1 - Substances

Not applicable

3.2 - Mixtures

Chemical name	No	%	Class(es)	Specific concentration limit
Citric acid INCI: Citric Acid	CAS No. : 5949-29-1 Index No. : EC No. : 201-069-1 REACH No. : 01-2119457026-42-XXXX	<= 1	Eye Irrit. 2 - H319	
(R)-p-mentha-1,8-diene INCI: D-Limonene	CAS No. : 5989-27-5 Index No. : 601-029-00-7 EC No. : 227-813-5 REACH No. : 01-2119529223-47-xxxx	<= 0.15	Aquatic Acute 1 - H400 Aquatic Chronic 3 - H412 Asp. Tox. 1 - H304 Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1B - H317	
Microorganisms EU Group 1 INCI: Bacillus spp.	CAS No. : 00-00-0 Index No. : EC No. : REACH No. : N/A	<= 0.03	Not Classified	
3,7-Dimethylocta-1,6-dien-3-ol INCI: Linalool	CAS No. : 78-70-6 Index No. : EC No. : 201-134-4 REACH No. : 01-2119474016-42-xxxx	<= 0.015	Eye Irrit. 2 - H319 Skin Irrit. 2 - H315 Skin Sens. 1B - H317	

SECTION 4: First aid measures

4.1 - Description of first aid measures

Following skin contact - No information available.

After eye contact - Rinse immediately carefully and thoroughly with eye-bath or water.

After ingestion - When in doubt or if symptoms are observed, get medical advice.

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

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Symptoms and effects - Following inhalation - No information available.

Symptoms and effects - Following skin contact - No data available.

Symptoms and effects - After eye contact - No information available.

Symptoms and effects - After ingestion - No information available.

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

- No information available.

SECTION 5: Firefighting measures

5.1 - Extinguishing media

Suitable extinguishing media

- ABC-powder
- Water mist
- Carbon dioxide (CO₂)

Unsuitable extinguishing media - Strong water jet

5.2 - Special hazards arising from the substance or mixture

Special hazards arising from the substance or mixture - No data available.

Hazardous decomposition products - No data available.

5.3 - Advice for firefighters

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

SECTION 6: Accidental release measures

6.1 - Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

- Use personal protection equipment.
- Provide adequate ventilation.

For emergency responders

- Provide adequate ventilation.
- Use personal protection equipment.

6.2 - Environmental precautions

- No information available.

6.3 - Methods and material for containment and cleaning up

Methods and material for containment - No information available.

Methods and material for cleaning up

- Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
- Ventilate affected area.

Inappropriate techniques - No information available.

6.4 - Reference to other sections

- Disposal: See section 13

- Personal protection equipment: see section 8

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- Safe handling: See section 7

SECTION 7: Handling and storage

7.1 - Precautions for safe handling

Recommendation - No information available.

Advices on general occupational hygiene - No information available.

7.2 - Conditions for safe storage, including any incompatibilities

- Keep/store only in original container.

7.3 - Specific end use(s)

- Observe technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1 - Control parameters

- No data available.

8.2 - Exposure controls

Appropriate engineering controls - No information available.

Individual protection measures, such as personal protective equipment - Lab coat.

- Spectacles.



Environmental exposure controls - No data available.

SECTION 9: Physical and chemical properties

9.1 - Information on basic physical and chemical properties

<u>Physical state</u>	Liquid	<u>Appearance</u>	Liquid
<u>Colour</u>	White	<u>Odour</u>	Citrus
Odour threshold		No data available	
pH		3.2 < V < 4.2	
Melting point		No data available	
Freezing point		No data available	
Boiling point		No data available	
Flash point		> 70 °C	
Evaporation rate		No data available	
flammability		No data available	
Lower explosion limit		No data available	
Upper explosion limit		No data available	
Vapour pressure		No data available	

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Vapour density	No data available
Relative density	No data available
Density	0.9595 g/ml < V < 1.0605 g/ml
Solubility (Water)	No data available
Solubility (Ethanol)	No data available
Solubility (Acetone)	No data available
Solubility (Organic solvents)	No data available
Log KOC	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Kinematic viscosity	No data available
Dynamic viscosity	No data available

Particle characteristics

Particle size	No data available
Dustiness	No data available
Specific surface area	No data available
Shape	No data available

9.2 - Other information

VOC content	No data available
Minimum ignition energy	No data available
Conductivity	No data available
Refractive index	No data available
Solids content	No data available
Surface tension	No data available
Saturation concentration	No data available

SECTION 10: Stability and reactivity

10.1 - Reactivity

- This material is considered to be non-reactive under normal use conditions.

10.2 - Chemical stability

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

10.3 - Possibility of hazardous reactions

- No hazardous reaction when handled and stored according to provisions.

10.4 - Conditions to avoid

- Stable under recommended storage and handling conditions.

10.5 - Incompatible materials

- No data available.

10.6 - Hazardous decomposition products

- No data available.

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SECTION 11: Toxicological information

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

Acute toxicity - Not classified

Toxicity : Mixture

LD50 oral (rat)	No data available
LD50 dermal (rat)	No data available
LD50 dermal (rabbit)	No data available
LC50 inhalation gas (rat)	No data available
LC50 inhalation dusts and mists (rat)	No data available
LC50 inhalation vapours (rat)	No data available

- No data available.

Toxicity : Substances

3,7-Dimethylocta-1,6-dien-3-ol (78-70-6)	
LD50 oral (rat)	2790 mg/kg
LD50 dermal (rabbit)	5610 mg/kg

Skin corrosion/irritation - Not classified

- No data available.

Serious eye damage/eye irritation - Not classified

- No data available.

Respiratory or skin sensitisation - Not classified

- No data available.

Germ cell mutagenicity - Not classified

- No data available.

Carcinogenicity - Not classified

- No data available.

Reproductive toxicity - Not classified

- No data available.

STOT-single exposure - Not classified

- No data available.

STOT-repeated exposure - Not classified

- No data available.

Aspiration hazard - Not classified

11.2 - Information on other hazards

- No information available.

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SECTION 12: Ecological information

12.1 - Toxicity

Toxicity : Mixture

EC50 48 hr crustacea	No data available
LC50 96 hr fish	No data available
ErC50 algae	No data available
ErC50 other aquatic plants	No data available
NOEC chronic fish	No data available
NOEC chronic crustacea	No data available
NOEC chronic algae	No data available
NOEC chronic other aquatic plants	No data available

- No data available.

12.2 - Persistence and degradability

Biochemical oxygen demand (BOD)	No data available
Chemical oxygen demand (COD)	No data available
% of biodegradation in 28 days	No data available

- No data available.

12.3 - Bioaccumulative potential

Bioconcentration factor (BCF)	No data available
Log KOC	No data available

- No data available.

12.4 - Mobility in soil

- No data available.

12.5 - Results of PBT and vPvB assessment

- PBT Substances / Mixtures: No.

- vPVB substances / mixtures: No.

12.6 - Endocrine disrupting properties

- No information available.

12.7 - Other adverse effects

- No data available.

SECTION 13: Disposal considerations

13.1 - Waste treatment methods

Waste treatment methods - No information available.

Sewage disposal - No information available.

Special precautions for waste treatment - No information available.

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Community or national or regional provisions - Dispose of waste according to applicable legislation.

SECTION 14: Transport information

14.1 - UN number or ID number

Not applicable

14.2 - UN proper shipping name

14.3 - Transport hazard class(es)

14.4 - Packing group

14.5 - Environmental hazards

14.6 - Special precautions for user

14.7 - Maritime transport in bulk according to IMO instruments

SECTION 15: Regulatory information

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

Substances REACH None
candidates

Substances Annex XIV None

Substances Annex XVII None

VOC content No data available

Regulation (EC) No. 648/2004 (Detergents regulation)

Contains:

- less than 5%: nonionic surfactants
- Microorganisms EU Risk Group 1
- perfumes
- Preservative: Sodium Benzoate
- D-Limonene
- Linalool

15.2 - Chemical Safety Assessment

SECTION 16: Other information

SDS versions

Version	Issue date	Author	Description of the amendments
1	26-09-25	PBGL RA	Creation

Abbreviations and acronyms

- ADR: The Agreement concerning the International Carriage of Dangerous Goods by Road
- ATE: Acute Toxicity Estimate.
- LC50: Lethal Concentration to 50 % of a test animals.
- LOEC: Lowest Observed Effect Concentration.
- LD50: Lethal Dose to 50% of a test animals.
- LOEL: Lowest Observed Adverse Effect Level.

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- DNEL: Derived no-effect level.
- EC50: Effective concentration of the substance that causes adverse effects in 50% of test animals.
- IATA: International Air Transport Association.
- IMDG: International Maritime Dangerous Goods.
- EC No: European Community number
- NOEC: No Observed Effect Concentration.
- NOEL: No observable effect level.
- CAS No.: Chemical Abstracts Service number.
- ICAO: International Civil Aviation Organization
- PBT: Persistent, Bioaccumulative and Toxic.
- PNEC: Predicted no-effect concentration.
- RID: International Carriage of Dangerous Goods by Rail.
- STEL: Short-term exposure limit
- TWA: Time weighted average
- OEL: Occupational exposure limit.
- vPvB: very Persistent and very Bioaccumulative.

Texts of the regulatory sentences

Aquatic Acute 1	Hazardous to the aquatic environment - Aquatic Acute 1
Aquatic Chronic 3	Hazardous to the aquatic environment - Aquatic Chronic 3
Asp. Tox. 1	Aspiration hazard - Category 1
Eye Irrit. 2	Eye irritation - Category 2
Flam. Liq. 3	Flammable liquid and vapour. - Category 3
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
Not Classified	Not classified
Skin Irrit. 2	Irritation, Category 2
Skin Sens. 1B	Skin sensitization - Category 1B

DISCLAIMER: The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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