

# SAFETY DATA SHEET

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

Revision date: 21 Apr 2022

Print date: 21 Apr 2022

Version: 6



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## Mabanol Innenraumreiniger

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

#### 1.1. Product identifier

Trade name/designation:

Mabanol Innenraumreiniger

Other means of identification:

Mabanol Car Interior Cleaner

UFI:

FQ0W-RAM9-0SNS-SSYE

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

Use of the substance/mixture:

Cleaning agent

#### 1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor):

Mabanol GmbH & Co. KG

Koreastraße 7  
20457 Hamburg  
Germany

Telephone: 0049 (0) 40 36809988

E-mail: info@mabanol.com

Website: www.mabanol.com

E-mail (competent person): giznord@giz-nord.de

#### 1.4. Emergency telephone number

Giftinformationszentrale Göttingen , 24h: 0049 (0) 551 1 92 40

### 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
Aerosols ( <i>Aerosol 1</i> )	H222; H229: Extremely flammable aerosol. Pressurised container: May burst if heated.	

#### \* 2.2. Label elements

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

Hazard pictograms:



GHS02  
Flame

Signal word: Danger

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### Hazard components for labelling:

propan-2-ol

#### Hazard statements for physical hazards

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.

#### Precautionary statements

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

#### Precautionary statements Prevention

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.

#### Precautionary statements Storage

P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
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#### Precautionary statements Disposal

P501	Dispose of contents/container to Dispose of waste according to applicable legislation..
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### Additional information:

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

### 2.3. Other hazards

#### Other adverse effects:

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Additional information:

Labelling for contents according to regulation (EC) No. 648/2004:  
15% -< 30% aliphatic hydrocarbons. Fragrances.

#### Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
<b>CAS No.:</b> 75-28-5 <b>EC No.:</b> 200-857-2 <b>REACH No.:</b> 01-2119485395-27	<b>isobutane</b> Flam. Gas 1A (H220), Press. Gas (Liq.) (H280) <b>Danger</b>	10 - < 20 Vol-%
<b>CAS No.:</b> 67-63-0 <b>EC No.:</b> 200-661-7 <b>Index No.:</b> 603-117-00-0 <b>REACH No.:</b> 01-2119457558-25	<b>propan-2-ol</b> Eye Irrit. 2 (H319), Flam. Liq. 2 (H225), STOT SE 3 (H336) <b>Danger</b>	5 - < 10 Vol-%
<b>CAS No.:</b> 74-98-6 <b>EC No.:</b> 200-827-9 <b>REACH No.:</b> 01-2119486944-21	<b>propane</b> Flam. Gas 1A (H220), Press. Gas (Liq.) (H280) <b>Danger</b>	1 - < 3 Vol-%
<b>CAS No.:</b> 106-97-8 <b>EC No.:</b> 203-448-7 <b>REACH No.:</b> 01-2119474691-32	<b>butane</b> Flam. Gas 1 (H220), Press. Gas (Liq.) (H280) <b>Danger</b>	0.1 - < 1 Vol-%

Full text of H- and EUH-phrases: see section 16.

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### SECTION 4: First aid measures

#### \* 4.1. Description of first aid measures

##### General information:

First aider: Pay attention to self-protection! Remove persons to safety. Never give anything by mouth to an unconscious person or a person with cramps.

##### Following inhalation:

Remove person to fresh air and keep comfortable for breathing. When in doubt or if symptoms are observed, get medical advice.

##### In case of skin contact:

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

##### After eye contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.

##### Following ingestion:

Do NOT induce vomiting. Observe risk of aspiration if vomiting occurs. Call a physician in any case!

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

Headache. Nausea. Dizziness. Causes skin irritation. May cause drowsiness or dizziness.

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

Treat symptomatically. Call a POISON CENTER or doctor/physician. Symptoms can occur only after several hours.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### Suitable extinguishing media:

Water spray jet. Carbon dioxide (CO<sub>2</sub>). Foam. Extinguishing powder.

##### Unsuitable extinguishing media:

Full water jet.

#### 5.2. Special hazards arising from the substance or mixture

Flammable. Vapours can form explosive mixtures with air.

##### Hazardous combustion products:

aldehydes. Carbon dioxide (CO<sub>2</sub>). Carbon monoxide. Burning produces heavy smoke.

#### 5.3. Advice for firefighters

Do not inhale explosion and combustion gases. 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.

Use water spray jet to protect personnel and to cool endangered containers. Move undamaged containers from immediate hazard area if it can be done safely. Pressurised container: May burst if heated.

### SECTION 6: Accidental release measures

#### \* 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

##### Personal precautions:

Wear breathing apparatus if exposed to vapours/dusts/aerosols. Remove all sources of ignition.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not breathe gas/vapour/aerosol. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

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### 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. Prevent spread over a wide area (e.g. by containment or oil barriers). Ensure all waste water is collected and treated via a waste water treatment plant.

### 6.3. Methods and material for containment and cleaning up

#### For cleaning up:

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal. Clean contaminated articles and floor according to the environmental legislation.

### 6.4. Reference to other sections

Personal protection equipment: see section 8

Disposal: see section 13

## SECTION 7: Handling and storage

### \* 7.1. Precautions for safe handling

#### Protective measures

##### Advices on safe handling:

Observe instructions for use.

Dust must be exhausted directly at the point of origin. Vapours/aerosols must be exhausted directly at the point of origin. If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means. In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop. Do not breathe gas/fumes/vapour/spray.

##### Fire prevent measures:

Do not spray on naked flames or any incandescent material. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Keep away from sources of ignition - No smoking. Heating causes rise in pressure with risk of bursting. Take precautionary measures against static discharges. Vapours can form explosive mixtures with air.

##### Advices on general occupational hygiene

Draw up and observe skin protection programme. When using do not eat, drink or smoke. Avoid contact with eyes and skin. Wash hands before breaks and after work. Apply skin care products after work. Do not put any product-impregnated cleaning rags into your trouser pockets. Used working clothes should not be worn outside the work area. Wash contaminated clothing before reuse.

### 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 away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

#### Hints on storage assembly:

Do not store together with: Oxidizing agent. Pyrophoric or self-heating substances. Food and feedingstuffs.

**Storage class (TRGS 510, Germany):** 2B - Aerosol dispensers and lighters

#### Further information on storage conditions:

Protect against: Frost. Protect from direct sunlight. Store in a cool dry place.

### 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)	isobutane CAS No.: 75-28-5 EC No.: 200-857-2	① 1,000 ppm (2,400 mg/m <sup>3</sup> ) ② 4,000 ppm (9,600 mg/m <sup>3</sup> )
TRGS 900 (DE)	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 200 ppm (500 mg/m <sup>3</sup> ) ② 400 ppm (1,000 mg/m <sup>3</sup> )
TRGS 900 (DE)	propane CAS No.: 74-98-6 EC No.: 200-827-9	① 1,000 ppm (1,800 mg/m <sup>3</sup> ) ② 4,000 ppm (7,200 mg/m <sup>3</sup> )
TRGS 900 (DE)	butane CAS No.: 106-97-8 EC No.: 203-448-7	① 1,000 ppm (2,400 mg/m <sup>3</sup> ) ② 4,000 ppm (9,600 mg/m <sup>3</sup> )

##### 8.1.2. Biological limit values

Limit value type (country of origin)	Substance name	Limit value	① Parameter ② Test material ③ Time of sampling: ④ Remark
TRGS 903 (DE)	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	25 mg/L	① Aceton ② Blut ③ Expositionsende bzw. Schichtende
TRGS 903 (DE)	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	25 mg/L	① Aceton ② Urin ③ Expositionsende bzw. Schichtende

##### 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 have to be used. Do not breathe gas/vapour/aerosol.

##### 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). Suitable material: NBR (Nitrile rubber).

Breakthrough time: 480 min. Thickness of the glove material: 0,45 mm.

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Wear suitable protective clothing.

###### Respiratory protection:

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

Respiratory protection necessary at: exceeding exposure limit values. aerosol or mist formation. Suitable respiratory protection apparatus: Filtering device (full mask or mouthpiece) with filter: A2, A2/P2, ABEK.

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The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

### 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: Aerosol

Colour: opaque

Odour: not determined

#### Safety relevant basis data

Parameter	Value	at °C	① Method ② Remark
pH	9.6	20 °C	① DIN 19268
Melting point	<i>not determined</i>		
Freezing point	<i>not determined</i>		
Initial boiling point and boiling range	-40 °C		
Decomposition temperature	<i>not determined</i>		
Flash point	-80 °C		
Evaporation rate	<i>not determined</i>		
Auto-ignition temperature	<i>not determined</i>		
Upper/lower flammability or explosive limits	5 - 15 Vol-%		
Vapour pressure	<i>not determined</i>		
Vapour density	<i>not determined</i>		
Density	0.982 g/cm <sup>3</sup>	20 °C	① DIN 51757
Relative density	<i>not determined</i>		
Bulk density	<i>not determined</i>		
Water solubility	easily soluble		
Partition coefficient: n-octanol/water	<i>not determined</i>		
Dynamic viscosity	<i>not determined</i>		
Kinematic viscosity	<i>not determined</i>		

### 9.2. Other information

No data available

## SECTION 10: Stability and reactivity

### \* 10.1. Reactivity

Extremely flammable aerosol.

### 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

### 10.3. Possibility of hazardous reactions

Do not expose to temperatures above 50 °C. Heating causes rise in pressure with risk of bursting.

### 10.4. Conditions to avoid

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Vapours can form explosive mixtures with air. Take precautionary measures against static discharge.

### 10.5. Incompatible materials

Oxidizing agent. Pyrophoric or self-heating substances.

### 10.6. Hazardous decomposition products

In case of fire may be liberated: Carbon monoxide. Carbon dioxide (CO<sub>2</sub>). aldehydes. carbon black.

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Gases/vapours, toxic.

### Further information

Do not mix with other chemicals.

## SECTION 11: Toxicological information

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

<b>isobutane</b> CAS No.: 75-28-5 EC No.: 200-857-2
LC <sub>50</sub> Acute inhalation toxicity (vapour): 1,237 mg/L (Mouse)
<b>butane</b> CAS No.: 106-97-8 EC No.: 203-448-7
LC <sub>50</sub> Acute inhalation toxicity (gas): 658 ppmV 4 h (Rat)
<b>propan-2-ol</b> CAS No.: 67-63-0 EC No.: 200-661-7
LD <sub>50</sub> oral: 5,338 mg/kg (Rat)
LD <sub>50</sub> dermal: 12,870 mg/kg (Rabbit)

#### 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:

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

#### Germ cell mutagenicity:

No indications of human germ cell mutagenicity exist.

#### Carcinogenicity:

No indication of human carcinogenicity.

#### Reproductive toxicity:

No indications of human reproductive toxicity exist.

#### 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:

Frequently or prolonged contact with skin may cause dermal irritation.

### 11.2. Information on other hazards

#### Endocrine disrupting properties:

No information available.

## SECTION 12: Ecological information

### \* 12.1. Toxicity

<b>isobutane</b> CAS No.: 75-28-5 EC No.: 200-857-2
LC <sub>50</sub> : 91.42 mg/L 4 d (fish)
ErC <sub>50</sub> : 19.37 mg/L 4 d (Algae/water plant)
EC <sub>50</sub> : 69.43 mg/L 2 d (crustaceans)

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<b>propane</b> CAS No.: 74-98-6 EC No.: 200-827-9
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LC <sub>50</sub> : 49.9 mg/L 4 d (fish)
---

ErC <sub>50</sub> : 19.4 mg/L 4 d (Algae/water plant)
---

EC <sub>50</sub> : 69.4 mg/L 2 d (crustaceans)
--

<b>butane</b> CAS No.: 106-97-8 EC No.: 203-448-7
---

LC <sub>50</sub> : 49.9 mg/L 4 d (fish)
---

ErC <sub>50</sub> : 19.37 mg/L 4 d (Algae/water plant)
--

EC <sub>50</sub> : 69.43 mg/L 2 d (crustaceans)
---

<b>propan-2-ol</b> CAS No.: 67-63-0 EC No.: 200-661-7
---

LC <sub>50</sub> : 9,640 mg/L 4 d (fish, Pimephales promelas (fathead minnow))
--

ErC <sub>50</sub> : >1,000 mg/L 3 d (Algae/water plant, Desmodemus subspicatus)
---

EC <sub>50</sub> : 13,299 mg/L 2 d (crustaceans, Daphnia magna (Big water flea))
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### \* 12.2. Persistence and degradability

<b>propan-2-ol</b> CAS No.: 67-63-0 EC No.: 200-661-7
---

Biodegradation: —
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Remark: Readily biodegradable (according to OECD criteria).
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#### Biodegradation:

There are no data available on the mixture itself.

### \* 12.3. Bioaccumulative potential

<b>isobutane</b> CAS No.: 75-28-5 EC No.: 200-857-2
---

Log K <sub>OW</sub> : 1.09
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<b>propane</b> CAS No.: 74-98-6 EC No.: 200-827-9
---

Log K <sub>OW</sub> : 1.09
----------------------------

<b>butane</b> CAS No.: 106-97-8 EC No.: 203-448-7
---

Log K <sub>OW</sub> : 1.09
----------------------------

<b>propan-2-ol</b> CAS No.: 67-63-0 EC No.: 200-661-7
---

Log K <sub>OW</sub> : 0.05
----------------------------

#### Accumulation / Evaluation:

There are no data available on the mixture itself.

### 12.4. Mobility in soil

No information available.

### \* 12.5. Results of PBT and vPvB assessment

<b>isobutane</b> CAS No.: 75-28-5 EC No.: 200-857-2
---

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

<b>propane</b> CAS No.: 74-98-6 EC No.: 200-827-9
---

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

<b>butane</b> CAS No.: 106-97-8 EC No.: 203-448-7
---

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

<b>propan-2-ol</b> CAS No.: 67-63-0 EC No.: 200-661-7
---

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

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

### \* 12.6. Endocrine disrupting properties

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

### 12.7. Other adverse effects

No information available.



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### SECTION 13: Disposal considerations

#### \* 13.1. Waste treatment methods

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

##### 13.1.1. Product/Packaging disposal

#### Waste codes/waste designations according to EWC/AVV

##### Waste code product

16 05 04 *	Gases in pressure containers (including halons) containing hazardous substances
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\*: Evidence for disposal must be provided.

##### Waste code packaging

15 01 04	metallic packaging
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#### Waste treatment options





##### Appropriate disposal / Product:

Consult the appropriate local waste disposal expert about waste disposal.

##### Appropriate disposal / Package:

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)
<b>14.1. UN number or ID number</b>			
UN 1950	UN 1950	UN 1950	UN 1950
<b>14.2. UN proper shipping name</b>			
AEROSOLS	AEROSOLS	AEROSOLS	AEROSOLS
<b>14.3. Transport hazard class(es)</b>			
 2.1	 2.1	 2.1	 2.1
<b>14.4. Packing group</b>			
		-	
<b>14.5. Environmental hazards</b>			
No	No	No	No
<b>14.6. Special precautions for user</b>			
<b>Special provisions:</b> 190, 327, 344, 625 <b>Limited quantity (LQ):</b> 1 L <b>Excepted Quantities (EQ):</b> E0 <b>Classification code:</b> 5F <b>Tunnel restriction code:</b> (D) <b>Remark:</b> Warning: Flammable gases.	<b>Special provisions:</b> 190, 327, 344, 625 <b>Limited quantity (LQ):</b> 1 L <b>Excepted Quantities (EQ):</b> E0 <b>Classification code:</b> 5F <b>Remark:</b> Warning: Flammable gases.	<b>Special provisions:</b> 63, 190, 277, 327, 344, 381, 959 <b>Limited quantity (LQ):</b> 1 L <b>Excepted Quantities (EQ):</b> 1000 mL <b>EmS-No.:</b> F-D; S-U <b>Remark:</b> Warning: Flammable gases.	<b>Special provisions:</b> A145, A167, A802 <b>Limited quantity (LQ):</b> 30 kg G <b>Excepted Quantities (EQ):</b> E0 <b>Remark:</b> Warning: Flammable gases.

#### 14.7. Maritime transport in bulk according to IMO instruments

not applicable.

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### SECTION 15: Regulatory information

#### \* 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

##### 15.1.1. EU legislation

###### Restrictions on use:

Use restriction according to REACH annex XVII, no.: 3, 28, 40, 75.

###### Other regulations (EU):

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

- P3a 'Flammable' aerosols Category 1 or 2, containing flammable gases Category 1 or 2 or flammable liquids

Directive 2010/75/EU on industrial emissions [Industrial Emissions Directive]: No information available.

Directive 2004/42/EC on the limitation of emissions of volatile organic compounds: No information available.

Observe in addition any national regulations!

##### 15.1.2. National regulations

###### [DE] National regulations

###### Restrictions of occupation

To follow: §22 JArbSchG.

###### Störfallverordnung

###### for substances contained in the product:

Hazard categories:

- P3a 'Flammable' aerosols Category 1 or 2, containing flammable gases Category 1 or 2 or flammable liquids

Named dangerous substances:

- Liquefied flammable gases, Category 1 or 2 (including liquefied petroleum gas) and natural gas

###### for substances possibly developing during an incident:

Hazard categories:

- P3a 'Flammable' aerosols Category 1 or 2, containing flammable gases Category 1 or 2 or flammable liquids

Named dangerous substances:

- Liquefied flammable gases, Category 1 or 2 (including liquefied petroleum gas) and natural gas

###### Technische Anleitung Luft (TA-Luft)

###### Klasse 1:

5.2.5: organic substances, to be indicated as total carbon at  $m \geq 0.50$  kg/h: conc. 50 mg/m<sup>3</sup>

###### Anteil 1:

13.68 %

###### Water hazard class

###### WGK:

1 - schwach wassergefährdend

###### Remark:

Self-classification (mixture; calculation rule).

#### 15.2. Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

### SECTION 16: Other information

#### \* 16.1. Indication of changes

2.2.	Label elements
3.2.	Mixtures
4.1.	Description of first aid measures
6.1.	Personal precautions, protective equipment and emergency procedures

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10.1.	Reactivity
11.1.	Information on hazard classes as defined in Regulation (EC) No 1272/2008
12.1.	Toxicity
12.2.	Persistence and degradability
12.3.	Bioaccumulative potential
12.5.	Results of PBT and vPvB assessment
12.6.	Endocrine disrupting properties
13.1.	Waste treatment methods
15.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture
16.1.	Indication of changes
16.5.	Relevant R-, H- and EUH-phrases (Number and full text)

### 16.2. Abbreviations and acronyms

ACGIH: American Conference of Governmental Industrial Hygienists  
ADR: Accord européen sur le transport des marchandises dangereuses par Route (International Carriage of Dangerous Goods by Road)  
AwSV: Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen  
CAS Chemical Abstracts Service  
DNEL: Derived No Effect Level  
IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)  
ICAO: International Civil Aviation Organization  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)  
LOAEL: Lowest observed adverse effect level  
LOAEC: Lowest observed adverse effect concentration  
LC<sub>50</sub>: Lethal concentration, 50 percent  
LD<sub>50</sub>: Lethal dose, 50 percent  
NIOSH: National Institute of Occupational Safety and Health  
NOAEL: No observed adverse effect level  
NOAEC: No observed adverse effect level  
NTP: National Toxicology Program  
N/A: not applicable  
OEL: Occupational Exposure limit (Arbeitsplatzgrenzwert)  
OSHA: Occupational Safety and Health Administration  
PEL: permissible exposure limit (Zulässiger Expositionsgrenzwert)  
PBT: persistent bioaccumulative toxic  
PNEC: predicted no effect concentration  
REL: Recommended exposure limit (Empfohlene Expositionsgrenze)  
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
SARA: Superfund Amendments and Reauthorization Act  
STEL: Short Term Exposure Limit (Kurzzeitgrenzwert) (15 min)  
SVHC: substance of very high concern  
TLV: Threshold Limit Values (Schwellwert Grenzwerte)  
TRGS Technische Regeln für Gefahrstoffe  
TSCA: Toxic Substances Control Act  
TWA: Time Weighted Average (Zeitlich gewichteter Mittelwert) (8 h)  
VOC: Volatile Organic Compounds  
vPvB: very persistent and very bioaccumulative  
VwVwS: Verwaltungsvorschrift wassergefährdender Stoffe

# SAFETY DATA SHEET

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

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Version: 6



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## Mabanol Innenraumreiniger

WGK: Wassergefährdungsklasse

### 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]

Hazard classes and hazard categories	Hazard statements	Classification procedure
Aerosols ( <i>Aerosol 1</i> )	H222; H229: Extremely flammable aerosol. Pressurised container: May burst if heated.	

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

Hazard statements	
H220	Extremely flammable gas.
H225	Highly flammable liquid and vapour.
H280	Contains gas under pressure; may explode if heated.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

### 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.

\* Data changed compared with the previous version