



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No. 2015/830

Revision date: 2/7/2015
Version: 6
Language: en-GB,IE
Date of print: 12/10/2017

Grohe Spa Scented Room Spray

Material number 1615500/GRO 008

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

1.1 Product identifier

Trade name: Grohe Spa Scented Room Spray

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

General use: Pump spray: Air freshener.

1.3 Details of the supplier of the safety data sheet

Company name: Grohe AG
Street/POB-No.: Industriepark Edelburg
Postal Code, city: 58675 Hemer
Germany
WWW: www.grohe.com
E-mail: info@grohe.com
Telephone: +49 (0)2372 93-0
Telefax: +49 (0)2372 93-1322
Dept. responsible for information:
Telephone: +49 (0)2372 93-2037
sustainability@grohe.com

1.4 Emergency telephone number

GIZ-Nord, Göttingen, Germany,
Telephone: +49 551-19240

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

Flam. Liq. 2; H225 Highly flammable liquid and vapour.
Skin Sens. 1; H317 May cause an allergic skin reaction.
Aquatic Chronic 3; H412 Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labelling (CLP)



Signal word:

Danger

Hazard statements: H225 Highly flammable liquid and vapour.
H317 May cause an allergic skin reaction.
H412 Harmful to aquatic life with long lasting effects.



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Precautionary statements:

- P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P273 Avoid release to the environment.
P280 Wear protective gloves.
P501 Dispose of contents/container to hazardous or special waste collection point.

Special labelling

Text for labelling: Contains (R)-p-Mentha-1,8-diene. Do not spray in the eyes.

2.3 Other hazards

Information about ethanol:
Vapours in high concentrations have anaesthetic effect.
Has degreasing effect on the skin.
Contact with skin and eyes, or inhalation may cause irritations.

Results of PBT and vPvB assessment:

No data available

SECTION 3: Composition / information on ingredients

3.1 Substances: not applicable

3.2 Mixtures

Hazardous ingredients:

Ingredient	Designation	Content	Classification
EC No. 200-578-6 CAS 64-17-5	Ethanol	75 - 90 %	Flam. Liq. 2; H225.
EC No. 227-813-5 CAS 5989-27-5	(R)-p-Mentha-1,8-diene	< 2.5 %	Flam. Liq. 3; H226. Skin Irrit. 2; H315. Skin Sens. 1; H317. Aquatic Acute 1; H400. Aquatic Chronic 1; H410.

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

SECTION 4: First aid measures

4.1 Description of first aid measures

- General information: Never give an unconscious person anything through the mouth.
- In case of inhalation: Provide fresh air. Put victim at rest and keep warm.
If breathing becomes irregular or ceases, apply rescue breathing or artificial respiration immediately, where required supply oxygen. Seek medical attention.
- Following skin contact: Seek medical treatment in case of troubles.
Thoroughly wash skin with soap and water.
Seek medical attention if irritation persists.
- After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Seek medical attention if irritation persists.



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After swallowing: Rinse mouth. Repeatedly drink water.
Do NOT induce vomiting. In case of vomiting, lay at least head on side.
Immediately get medical attention.

4.2 Most important symptoms and effects, both acute and delayed

May cause an allergic skin reaction.
Information about ethanol:
Vapours in high concentrations have anaesthetic effect.
Other symptoms: Headache.
Prolonged/repetitive skin contact may cause skin defatting or dermatitis.

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:

Water fog, alcohol resistant foam, extinguishing powder, carbon dioxide

Extinguishing media which must not be used for safety reasons:

Full water jet

5.2 Special hazards arising from the substance or mixture

Highly flammable liquid and vapour.
With air, vapours form potentially explosive mixtures, which are heavier than air.
In case of fire may be liberated: carbon monoxide and carbon dioxide.

5.3 Advice for firefighters

Special protective equipment for firefighters:

Wear self-contained breathing apparatus.

Additional information:

Hazchem-Code: 3YE

Use fine water spray to cool endangered containers.

Do not allow fire water to penetrate into surface or ground water.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear suitable protective clothing. Keep unprotected people away.

Do not breathe vapours. Provide adequate ventilation.

6.2 Environmental precautions

Do not empty into drains.

6.3 Methods and material for containment and cleaning up

Soak up with absorbent materials such as sand, siliceous earth, acid- or universal binder.
Store in special closed containers and dispose of according to ordinance. Final cleaning.

Additional information:

Remove all sources of ignition. Use only spark proof tools.

Beware of reignition. Protect environment at risk.

6.4 Reference to other sections

Refer additionally to section 8 and 13.



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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed.

Avoid contact with skin and eyes.

Do not allow containers to stand open.

In case of handling larger quantities:

Wear protective gloves/protective clothing/eye protection.

When using do not eat, drink or smoke.

Take off immediately all contaminated clothing.

Precautions against fire and explosion:

Smoking and welding strictly forbidden. Avoid open flames.

Keep away from sources of ignition. Use only spark proof tools.

Take precautionary measures against static discharges.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Keep container tightly closed. Keep only in the original container.

Keep in a cool, well-ventilated place.

Store in well-filled containers, protected from light. Keep container dry.

Hints on joint storage:

Do not store together with combustible or self-igniting materials or any highly flammable solids.

Keep away from food, drink and animal feedingstuffs.

7.3 Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
64-17-5	Ethanol	Great Britain: WEL-TWA Ireland: 15 minutes	1920 mg/m ³ ; 1000 ppm 1000 ppm

DNEL/DMEL:

Information about ethanol, Systemic effects:

DNEL workers, long-term, inhalative: 950 mg/m³

DNEL workers, short-term, inhalative: 1900 mg/m³

DNEL workers, long-term, dermal: 343 mg/kg bw/d

DNEL consumers, long-term, inhalative: 114 mg/m³

DNEL consumers, short-term, inhalative: 950 mg/m³

DNEL consumers, long-term, dermal: 206 mg/kg bw/d

DNEL consumers, long-term, oral: 87 mg/kg bw/d



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PNEC: Information about ethanol:
PNEC Water (freshwater): 0.96 mg/L
PNEC Water (marine water): 0.79 mg/L
PNEC Water (intermittent release): 2.75 mg/L
PNEC sewage treatment plant: 580 mg/L
PNEC sediment (freshwater): 3.6 mg/kg dw
PNEC sediment (marine water): 2.9 mg/kg dw
PNEC soil: 0.63 mg/kg dw
PNEC oral: 0.72 g/kg food

8.2 Exposure controls

Provide adequate ventilation.

Personal protection equipment

Occupational exposure controls

Respiratory protection: Respiratory protection must be worn whenever the WEL levels have been exceeded. Use filter type A (= against vapours of organic substances) according to EN 14387.

Hand protection: Protective gloves according to EN 374.
Glove material: butyl caoutchouc (butyl rubber) - Layer thickness: 0.7 mm
Breakthrough time: >480 min.
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection: Tightly sealed goggles according to EN 166.

Body protection: In case of handling larger quantities: flame retardant protective clothing, antistatic

General protection and hygiene measures:
Keep away from sources of ignition - No smoking.
Change contaminated clothing. Avoid contact with skin and eyes.
When using do not eat or drink.
Wash hands before breaks and after work.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: Form: liquid
Colour: light, clear

Odour: characteristic

Odour threshold: No data available

pH value: No data available

Melting point/freezing point: No data available

Initial boiling point and boiling range: Ethanol: 78.3 °C

Flash point/flash point range: 16 °C (c.c.)

Evaporation rate: No data available

Flammability: Highly flammable.

Explosion limits: LEL (Lower Explosion Limit): (Ethanol) 3.30 Vol-%
UEL (Upper Explosive Limit): (Ethanol) 19.00 Vol-%

Vapour pressure: at 20 °C: (Ethanol) 59 hPa
at 50 °C: (Ethanol) 280 hPa

Vapour density: No data available

Density: 0.805 - 0.880 g/mL



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Solubility:	No data available
Partition coefficient: n-octanol/water:	Ethanol: -0.32 log P(o/w) (R)-p-Mentha-1,8-diene: 4.23 log P(o/w)
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity, kinematic:	No data available
Explosive properties:	No data available
Oxidizing characteristics:	No data available

9.2 Other information

Ignition temperature:	Ethanol: 425 °C
Additional information:	Ethanol: Relative vapour density at 20 °C (air=1): 1.6

SECTION 10: Stability and reactivity

10.1 Reactivity

Highly flammable liquid and vapour.

10.2 Chemical stability

Product is stable under normal storage conditions.

10.3 Possibility of hazardous reactions

Ignition by hot surfaces, sparks and open flames.
With air, vapours form potentially explosive mixtures, which are heavier than air.

10.4 Conditions to avoid

Keep away from sources of ignition - No smoking. Protect from light and heat.

10.5 Incompatible materials

Ethanol: Reacts with oxidizing agents, peroxides, acids, acid chlorides, anhydrides and alkali metals.

10.6 Hazardous decomposition products

In case of fire may be liberated: Carbon monoxide and carbon dioxide.

Thermal decomposition: No data available



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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Toxicological effects: Acute toxicity (oral): Lack of data.
Acute toxicity (dermal): Lack of data.
Acute toxicity (inhalative): Lack of data.
Skin corrosion/irritation: Lack of data.
Eye damage/irritation: Lack of data.
Sensitisation to the respiratory tract: Lack of data.
Skin sensitisation: Skin Sens. 1; H317 = May cause an allergic skin reaction.
Germ cell mutagenicity/Genotoxicity: Lack of data.
Carcinogenicity: Lack of data.
Reproductive toxicity: Lack of data.
Effects on or via lactation: Lack of data.
Specific target organ toxicity (single exposure): Lack of data.
Specific target organ toxicity (repeated exposure): Lack of data.
Aspiration hazard: Lack of data.

Other information: Chronic absorption of ethanol will cause liver damage.

Symptoms

Information about ethanol:
Vapours in high concentrations have anaesthetic effect.
Other symptoms: Headache.
Prolonged/repetitive skin contact may cause skin defatting or dermatitis.
In case of inhalation: Information about ethanol: May cause irritations.
After contact with skin: Reddening
After eye contact: May cause irritations.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Information about (R)-p-Mentha-1,8-diene:
Daphnia toxicity: EC50 Daphnia magna (Big water flea): 0.42 mg/L/48 h.
Fish toxicity: LC50 Pimephales promelas (fathead minnow): 0.7 mg/L/96 h.

12.2 Persistence and degradability

Further details: Ethanol:
Biodegradation: 94 % (OECD 301 E).
Product is readily biodegradable.
(R)-p-Mentha-1,8-diene:
Biodegradation: 100 %/28 d; 41-98 %/14 d (OECD 301 C).
Product is biodegradable.



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12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:

Ethanol: -0.32 log P(o/w)
(R)-p-Mentha-1,8-diene: 4.23 log P(o/w)

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

General information: Do not allow to penetrate into soil, waterbodies or drains.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste key number: 20 01 13* = Solvents
* = Evidence for disposal must be provided.

Recommendation: Dispose of waste according to applicable legislation.
Recycling or special waste incineration.

Contaminated packaging

Recommendation: Waste key number:
150102 Plastic packaging
150107 Glass packaging
150104 Metallic packaging
Dispose of waste according to applicable legislation.
Non-contaminated packages may be recycled.

Additional information

Potentially explosive mixture may form within partially empty containers.

SECTION 14: Transport information

14.1 UN number

ADR/RID, IMDG, IATA-DGR:
UN 1266

14.2 UN proper shipping name

ADR/RID, IMDG, IATA-DGR:
UN 1266, Perfumery products

14.3 Transport hazard class(es)

ADR/RID: Class 3, Code: F1
IMDG: Class 3, Subrisk-
IATA-DGR: Class 3





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14.4 Packing group

ADR/RID, IMDG, IATA-DGR:

II

14.5 Environmental hazards

Marine pollutant: no

14.6 Special precautions for user

Land transport (ADR/RID)

Warning board: ADR/RID: Kemmler-number 33, UN number UN 1266
Hazard label: 3
Special provisions: 163 640D
Limited quantities: 5 L
EQ: E2
Contaminated packaging - Instructions: P001 IBC02 R001
Special provisions for packing together: MP19
Portable tanks - Instructions: T4
Portable tanks - Special provisions: TP1 TP8
Tank coding: LGBF
Tunnel restriction code: D/E

Sea transport (IMDG)

EmS: F-E, S-D
Special provisions: 163
Limited quantities: 5 L
Excepted quantities: E2
Contaminated packaging - Instructions: P001
Contaminated packaging - Provisions: -
IBC - Instructions: IBC02
IBC - Provisions: -
Tank instructions - IMO: -
Tank instructions - UN: T4
Tank instructions - Provisions: TP1, TP8
Stowage and handling: Category B.
Properties and observations: Miscibility with water depends upon the composition.
Segregation group: none

Air transport (IATA)

Hazard label: Flamm. liquid
Excepted Quantity Code: E2
Passenger and Cargo Aircraft: Ltd.Qty.: Pack.Instr. Y341 - Max. Net Qty/Pkg. 1 L
Passenger and Cargo Aircraft: Pack.Instr. 353 - Max. Net Qty/Pkg. 5 L
Cargo Aircraft only: Pack.Instr. 364 - Max. Net Qty/Pkg. 60 L
Special provisions: A3 A72
Emergency Response Guide-Code (ERG): 3L

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

No data available



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SECTION 15: Regulatory information

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

National regulations - Great Britain

Hazchem-Code: 3YE
No data available

National regulations - EC member states

Volatile organic compounds (VOC):
84 % by weight = 708 g/L

Labelling of packaging with <= 125mL content



Signal word: **Danger**

Hazard statements: H317 May cause an allergic skin reaction.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P280 Wear protective gloves.

15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment is not required.

SECTION 16: Other information

Further information

Wording of the H-phrases under paragraph 2 and 3:

H225 = Highly flammable liquid and vapour.
H226 = Flammable liquid and vapour.
H315 = Causes skin irritation.
H317 = May cause an allergic skin reaction.
H400 = Very toxic to aquatic life.
H410 = Very toxic to aquatic life with long lasting effects.
H412 = Harmful to aquatic life with long lasting effects.

Reason of change: General revision (Regulation (EU) No 2015/830)
Date of first version: 28/9/2011

Department issuing data sheet

Contact person: see section 1: Dept. responsible for information

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.