



SAFETY DATA SHEET

in accordance with 29 CFR 1910.1200 and ANSI standard Z400.1-2010

Grohe Spa Scented Room Spray

Material number 1615500/GRO 008

Revision date: 7/2/2015

Version: 6

Language: en-US

Date of print: 10/12/2017

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1. Product and company identification

Product identifier

Trade name: Grohe Spa Scented Room Spray

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

General use: Pump spray: Air freshener.

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

Emergency phone number

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

2. Hazards identification

Emergency overview

Appearance: Form: liquid
Color: light, clear
Odor: characteristic
Classification: Flammable Liquid - Category 2; Sensitization - skin - Category 1;
Aquatic toxicity - chronic - Category 3;

Hazard symbols:



Signal word: **Danger**
Hazard statements: Highly flammable liquid and vapor.
May cause an allergic skin reaction.
Harmful to aquatic life with long lasting effects.

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



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Regulatory status

This material is considered hazardous by the U.S. OSHA Hazard Communication Standard (29 CFR 1910.1200) and SIMDUT in Canada.

Hazards not otherwise classified

Information about ethanol:

Vapors in high concentrations have anaesthetic effect.

Has degreasing effect on the skin.

Contact with skin and eyes, or inhalation may cause irritations.

see section 11: Toxicological information

3. Composition / Information on ingredients

Relevant ingredients:

CAS No.	Designation	Content	Classification
CAS 64-17-5	Ethanol	75 - 90 %	Flammable Liquid - Category 2.
CAS 5989-27-5	(R)-p-Mentha-1,8-diene	< 2.5 %	Flammable Liquid - Category 3. Skin Irritation - Category 2. Sensitization - skin - Category 1. Aquatic toxicity - acute - Category 1. Aquatic toxicity - chronic - Category 1.

4. 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.
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.

Most important symptoms/effects, acute and delayed

May cause an allergic skin reaction.

Information about ethanol:

Vapors in high concentrations have anaesthetic effect.

Other symptoms: Headache.

Prolonged/repetitive skin contact may cause skin defatting or dermatitis.

Information to physician

Treat symptomatically.



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5. Fire fighting measures

Flash point/flash point range:

60.8 °F (c.c.)

Auto-ignition temperature: No data available

Suitable extinguishing media:

Water fog, alcohol resistant foam, dry chemical powder, carbon dioxide

Extinguishing media which must not be used for safety reasons:

Full water jet

Specific hazards arising from the chemical

Highly flammable liquid and vapor.

Air combined with vapors may form potentially explosive mixtures that are heavier than air.

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

Protective equipment and precautions for firefighters:

Wear self-contained breathing apparatus.

Additional information:

Cool exposed containers with water spray.

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

6. Accidental release measures

Personal precautions:

Wear suitable protective clothing. Keep unprotected people away.

Do not breathe vapors. Provide adequate ventilation.

Environmental precautions:

Do not empty into drains.

Methods for clean-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.

7. Handling and storage

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.

Storage

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.



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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.

8. Exposure controls / personal protection

Exposure guidelines

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
64-17-5	Ethanol	USA: ACGIH: STEL	1000 ppm (A3)
		USA: NIOSH: TWA	1900 mg/m ³ ; 1000 ppm
		USA: OSHA: TWA	1900 mg/m ³ ; 1000 ppm

Engineering controls

Provide adequate ventilation.
See also information in chapter 7, section storage.

Personal protection equipment (PPE)

Eye/face protection: Tightly sealed goggles according to OSHA Standard - 29 CFR: 1910.133 or ANSI Z87.1-2010.

Skin protection: In case of handling larger quantities: flame retardant protective clothing, antistatic
Protective gloves according to OSHA Standard - 29 CFR: 1910.138.
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.

Respiratory protection: Respiratory protection must be worn whenever the TLV (WEL) levels have been exceeded. Use filter type A (= against vapors of organic substances) according to OSHA Standard - 29 CFR: 1910.134 or ANSI Z88.2.

General hygiene considerations:
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.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance: Form: liquid
Color: light, clear

Odor: characteristic

Odor threshold: No data available

pH value: No data available

Melting point/freezing point: No data available

Initial boiling point and boiling range: Ethanol: 172.94 °F

Flash point/flash point range: 60.8 °F (c.c.)

Evaporation rate: No data available

Flammability: Highly flammable.



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Explosion limits:	LEL (Lower Explosion Limit): (Ethanol) 3.30 Vol-% UEL (Upper Explosive Limit): (Ethanol) 19.00 Vol-%
Vapor pressure:	at 68 °F: (Ethanol) 59 hPa at 122 °F: (Ethanol) 280 hPa
Vapor density:	No data available
Density:	0.805 - 0.880 g/mL
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
Thermal decomposition:	No data available
Ignition temperature:	Ethanol: 797 °F
Additional information:	Ethanol: Relative vapor density at 68 °F (air=1): 1.6

10. Stability and reactivity

Reactivity:	Highly flammable liquid and vapor.
Chemical stability:	Product is stable under normal storage conditions.
Possibility of hazardous reactions	Ignition by hot surfaces, sparks and open flames. Air combined with vapors may form potentially explosive mixtures that are heavier than air.
Conditions to avoid:	Keep away from sources of ignition - No smoking. Protect from light and heat.
Incompatible materials:	Ethanol: Reacts with oxidizing agents, peroxides, acids, acid chlorides, anhydrides and alkali metals.
Hazardous decomposition products:	In case of fire may be liberated: Carbon monoxide and carbon dioxide.
Thermal decomposition:	No data available



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11. Toxicological information

Toxicological tests

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: Sensitization - skin - Category 1 = 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:
Vapors 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.

12. Ecological information

Ecotoxicity

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.

Mobility in soil

No data available

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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Additional ecological information

Volatile organic compounds (VOC):

84 % by weight = 708 g/L

General information:

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

13. Disposal considerations

Product

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.

14. Transport information

USA: Department of Transportation (DOT)

Identification number: UN1266
Proper shipping name: UN 1266, Perfumery products
Hazard class or Division: 3
Packing Group: II
Labels: 3
Special provisions: 149, IB2, T4, TP1, TP8
Packaging – Exceptions: 150
Packaging – Non-bulk: 202
Packaging – Bulk: 242
Quantity limitations – Passenger aircraft / rail: 15 L
Quantity limitations – Cargo only: 60 L
Vessel stowage – Location: B





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Sea transport (IMDG)

UN number: UN 1266
Proper shipping name: UN 1266, Perfumery products
Class or division, Subsidiary risk: Class 3, Subrisk-
Packing Group: II
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.
Marine pollutant: no
Segregation group: none

Air transport (IATA)

UN/ID number: UN 1266
Proper shipping name: UN 1266, Perfumery products
Class or division, Subsidiary risk: Class 3
Packing Group: II
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

15. Regulatory information

National regulations - U.S. Federal Regulations

Ethanol: TSCA Inventory: listed
TSCA HPVC: not listed
NIOSH Recommendations:
Occupational Health Guideline: 0262

(R)-p-Mentha-1,8-diene: TSCA Inventory: listed
TSCA HPVC: not listed
Carcinogen Status:
IARC Rating: Group 3
OSHA Carcinogen: not listed
NTP Rating: not listed
Other Environmental Laws:
Marine Pollutant: listed as pollutant.



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National regulations - U.S. State Regulations

Ethanol: California Proposition 65 code: -
Idaho Air Pollutant List:
Title 585: AAC: 94 - EL: 125 - OEL: 1880 - Title 586: -
Massachusetts Haz. Substance codes: 2,4,5,6 *T1*
Minnesota Haz. Substance:
Codes: AO - Ratings: 7.74
Pennsylvania Haz. Substance code: -
Washington Air Contaminant:
TWA: 1000 ppm - 1900 mg

National regulations - Great Britain

Hazchem-Code: 3YE

16. Other information

Text for labeling: Contains 75 - 90 % Ethanol, < 2.5 % (R)-p-Mentha-1,8-diene. Safety data sheet available on request.

Hazard rating systems: NFPA Hazard Rating:
Health: 1 (Slight)
Fire: 3 (Serious)
Reactivity: 0 (Minimal)



HMIS Version III Rating:
Health: 1 (Slight)
Flammability: 3 (Serious)
Physical Hazard: 0 (Minimal)
Personal Protection: X = Consult your supervisor

HEALTH	1
FLAMMABILITY	3
PHYSICAL HAZARD	0
	X

Reason of change: General revision (Regulation (EU) No 2015/830)

Date of first version: 9/28/2011

Department issuing data sheet

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

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.