



SAFETY DATA SHEET

according to SANS 10234:2008

GROHE BLUE XTRA-CLEAN

Material number 40434001

Revision date: 2022/12/15

Version: 16.0

Replaces version: 15.0

Language: en-ZA

Date of print: 2023/1/2

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1. Identification of the substance/mixture and of the company/undertaking

Product identifier

Trade name: GROHE BLUE XTRA-CLEAN

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

General use: Cleaning agent on the basis of active chlorine released from hypochlorous acid

Details of the supplier of the safety data sheet

Company name: Grohe AG

Street/POB-No.: Industriepark Edelburg

Postal Code, city: DE-58675 Hemer

WWW: www.grohe.com

E-mail: info@grohe.com

Telephone: +49 (0)2372 93-0

Telefax: +49 (0)2372 93-1322

Department responsible for information:

Telephone: +49 (0)2372 93-2037

sustainability@grohe.com

Additional information:

Corporate headquarters:

Grohe AG

Feldmühleplatz 15

40545 Düsseldorf

Telephone: +49 (0)211 9130 3000

Emergency telephone number

GIZ-Nord, Göttingen, Germany,

Telephone: +49 551-19240

2. Hazards identification

Classification of the substance or mixture

GHS classification

Aerosol 3 Pressurised container: May burst if heated.

Label elements

Signal word: **Warning**

Hazard statements: Pressurised container: May burst if heated.

Precautionary statements: Keep out of reach of children.

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

Do not pierce or burn, even after use.

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Other hazards

Special danger of slipping by leaking/spilling product.

3. Composition/information on ingredients

Mixtures

Chemical characterisation: Aqueous solution on the basis of active chlorine released from hypochlorous acid



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4. First aid measures

In case of inhalation:	Provide fresh air. In case of respiratory difficulties seek medical attention.
Following skin contact:	In case of prolonged exposure: Remove residues with water. Change contaminated clothing. Then cream your skin. In case of skin irritation, consult a physician.
After eye contact:	Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. In case of troubles or persistent symptoms, consult an ophthalmologist.
After swallowing:	Rinse mouth immediately and drink plenty of water. Do not induce vomiting. Seek medical attention.

Most important symptoms and effects, both acute and delayed

No data available

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. Firefighting measures

Extinguishing media

Suitable extinguishing media: Product is non-combustible. Extinguishing materials should therefore be selected according to surroundings. All extinguishing agents can be applied.

Extinguishing media which must not be used for safety reasons:

Full water jet

Special hazards arising from the substance or mixture

Pressurised container: May burst if heated.

Fires in the immediate vicinity may cause the development of dangerous vapours.

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

Advice for firefighters

Special protective equipment for firefighters:

Wear self-contained breathing apparatus. Wear appropriate protective equipment.

Additional information:

Heating causes rise in pressure with risk of bursting. Cool endangered containers with water spray and, if possible, remove from danger zone. Use water spray jet to knock down vapours. Do not breathe fumes. Do not allow fire water to penetrate into surface or ground water.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Avoid contact with eyes. Handle in accordance with good industrial hygiene and safety practice.

Environmental precautions

Large amounts: Do not allow to enter into soil/subsoil.

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:

Special danger of slipping by leaking/spilling product.



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7. Handling and storage

Precautions for safe handling

Advices on safe handling: Do not heat the product. Heating causes rise in pressure with risk of bursting. Provide adequate ventilation, and local exhaust as needed.
Handle in accordance with good industrial hygiene and safety practice. Take off contaminated clothing and wash it before reuse.
Do not spray in the eyes. Have eye wash bottle or eye rinse ready at work place.

Precautions against fire and explosion:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not pierce or burn, even after use. Usual measures for fire prevention.

Storage

Requirements for storerooms and containers:

Keep containers tightly closed and at a temperature between 2 °C and 30 °C.
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
Protect from frost.
Suitable material: Plastic.
Store in corrosive resistant container/in container with a resistant inner liner.

Hints on joint storage:

Do not store together with acids. Keep away from food, drink and animal feedingstuffs.

8. Exposure controls/personal protection

Exposure controls

Provide good ventilation and/or an exhaust system in the work area.
See also information in chapter 7, section storage.

Personal protection equipment

Occupational exposure controls

Respiratory protection: Provide adequate ventilation.
Respiratory protection must be worn whenever the WEL levels have been exceeded.
The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product.

Hand protection: hand protection is not required

Eye protection: Not required.

In case of handling larger quantities:
Tightly sealed goggles according to EN 166.

Body protection: Recommended: Wear suitable protective clothing.

General protection and hygiene measures:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not pierce or burn, even after use.
Avoid contact with eyes. Do not spray in the eyes. Take off contaminated clothing and wash it before reuse. Do not breathe vapour/aerosol.
Wash hands before breaks and after work. When using do not eat, drink or smoke.
Have eye wash bottle or eye rinse ready at work place.

Environmental exposure controls

Refer to 6.: Section "Environmental precautions".



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9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance:	Physical state at 20 °C and 101.3 kPa: liquid Form: Aerosol Colour: colourless
Odour:	weak like chlorine
Odour threshold:	No data available
pH:	at 25 °C: 5,5 - 8,5
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	approx. 100 °C (1013 Pa)
Flash point/flash point range:	No data available
Evaporation rate:	No data available
Flammability:	not combustible
Explosion limits:	LEL (Lower Explosion Limit): not applicable UEL (Upper Explosive Limit): not applicable
Vapour pressure:	3,05 - 3,15 Pa
Vapour density:	No data available
Density:	at 20 °C: 1 g/mL
Water solubility:	completely miscible
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Thermal decomposition:	No data available

Additional information

Viscosity, dynamic:	0,001 Pa*s
Explosive properties:	Not explosive. Pressurised container: May burst if heated.

10. Stability and reactivity

Reactivity:	Refer to 10.3
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions:	Pressurised container: May burst if heated.
Conditions to avoid:	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
Incompatible materials:	Acids, oxidizing agents
Hazardous decomposition products:	No hazardous decomposition products when regulations for storage and handling are observed.
Thermal decomposition:	No data available



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11. Toxicological information

Information on toxicological effects

Toxicological effects: The statements are derived from the properties of the single components. No toxicological data is available for the product as such.

Acute toxicity (oral): Based on available data, the classification criteria are not met.

Acute toxicity (dermal): Based on available data, the classification criteria are not met.

Acute toxicity (inhalative): Lack of data.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/irritation: Lack of data.

Sensitisation to the respiratory tract: Lack of data.

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

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: With correct and proper handling/application, no cases health hazards are known.

12. Ecological information

Toxicity

Further details: No data available

Persistence and degradability

Further details: The methods for determining the biological degradability are not applicable to inorganic substances.

Mobility in soil

No data available

Additional ecological information

General information: Large amounts: Do not allow to enter into soil/subsoil.

13. Disposal considerations

Waste treatment methods

Product

Recommendation: Dispose of waste according to applicable legislation.

Package

Recommendation: Dispose of waste according to applicable legislation.
Empty carefully and completely, if possible. Non-contaminated packages may be recycled.

14. Transport information

UN number

ADR/RID, IMDG, IATA-DGR: UN 1950



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Sea transport (IMDG)

UN number: UN 1950
Proper shipping name: UN 1950, AEROSOLS
Class or division, Subsidiary risk: Class 2.2, Subrisk -
Packing Group: -
EmS: F-D, S-U
Special Provisions: 63 190 277 327 344 381 959
Limited quantities: 1000 mL
Excepted quantities: E0
Package - Instructions: P207, LP200
Package - Provisions: PP87, L2
IBC - Instructions: -
IBC - Provisions: -
Tank instructions - IMO: -
Tank instructions - UN: -
Tank instructions - Provisions: -
Stowage and handling: SW1 SW22
Segregation: SG69
Properties and observations: -
Marine pollutant: no
Segregation group: none

Air transport (IATA)

UN/ID number: UN 1950
Proper shipping name: UN 1950, AEROSOLS, NON-FLAMMABLE
Class or division, Subsidiary risk: Class 2.2
Hazard label: Non-flamm. gas
Excepted Quantity Code: E0
Passenger and Cargo Aircraft: Ltd.Qty.: Pack.Instr. Y203 - Max. Net Qty/Pkg. 30 kg G
Passenger and Cargo Aircraft: Pack.Instr. 203 - Max. Net Qty/Pkg. 75 kg
Cargo Aircraft only: Pack.Instr. 203 - Max. Net Qty/Pkg. 150 kg
Special Provisions: A98 A145 A167 A802
Emergency Response Guide-Code (ERG): 2L

15. Regulatory information

National regulations - South Africa

No data available

Further regulations, limitations and legal requirements

No data available

16. Other information

Text for labelling: Contains active chlorine released from hypochlorous acid: min. 0,07 g/kg.
Use biocides safely. Always read the label and product information before use.
Do not spray in the eyes.



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Abbreviations and acronyms: ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
Aerosol: Aerosol
AS/NZS: Australian Standards/New Zealand Standards
CAS: Chemical Abstracts Service
CFR: Code of Federal Regulations
CLP: Classification, Labelling and Packaging
DMEL: Derived minimal effect level
DNEL: Derived no-effect level
EC: European Community
EN: European Standard
EQ: Excepted quantities
IATA: International Air Transport Association
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations
IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IMDG Code: International Maritime Dangerous Goods Code
LEL: Lower Explosion Limit
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
OEL: Occupational Exposure Limit Value
OSHA: Occupational Safety and Health Administration
PBT: Persistent, bioaccumulative and toxic
PNEC: Predicted no-effect concentration
RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail
TLV: Threshold Limit Value
TRGS: Technical Rules for Hazardous Substances
UN: United Nations
vPvB: Very persistent and very bioaccumulative
WEL: Workplace Exposure Limit

Reason of change: Changes in section 1: Address
General revision

Date of first version: 2014/4/30

Department issuing data sheet

Contact person: see section 1: Department 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.