



SAFETY DATA SHEET

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

Revision date: 7/6/2017
Version: 4
Language: en-GB,IE
Date of print: 12/10/2017

Cleaning Tablets for Carbonizer and Cooler

Material number 40456045

Page: 1 of 9

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

1.1 Product identifier

Trade name: Cleaning Tablets for Carbonizer and Cooler

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

General use: Cleaning agent

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)

Eye Irrit. 2; H319 Causes serious eye irritation.
Aquatic Chronic 3; H412 Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labelling (CLP)



Signal word:

Warning

Hazard statements:

H319 Causes serious eye irritation.
H412 Harmful to aquatic life with long lasting effects.



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Cleaning Tablets for Carbonizer and Cooler

Material number 40456045

Page: 2 of 9

Precautionary statements:

- P102 Keep out of reach of children.
- P264 Wash hands and face thoroughly after handling.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P501 Dispose of contents/container to hazardous or special waste collection point.

Special labelling

Text for labelling:

Contains < 5% NTA-Na and disinfectants.
Use biocides safely. Always read the label and product information before use.
Content of active ingredients: max. 2,5% Troclosene sodium, dihydrate
Registration number according to "Biozid-Meldeverordnung": N-44145.
Event: For instructions for use of the device please refer to the technical product manual.
Re-order information: www.bevicean.com - Bestell-Nr. 86.305.020

2.3 Other hazards

Contains Trisodium nitrilotriacetate: Suspected of causing cancer.
Not subject to classification according to 1. ATP - CLP < 5%.

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. 207-838-8 CAS 497-19-8	Sodium carbonate	25 - 50 %	Eye Irrit. 2; H319.
EC No. 225-768-6 CAS 5064-31-3	Trisodium nitrilotriacetate	1 - 2.5 %	Acute Tox. 4; H302. Eye Irrit. 2; H319. Carc. 2; H351.
EC No. 220-767-7 CAS 51580-86-0	Troclosene sodium, dihydrate	1 - 2.5 %	Acute Tox. 4; H302. Eye Irrit. 2; H319. STOT SE 3; H335. Aquatic Acute 1; H400. Aquatic Chronic 1; H410. (EUH031).

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

SECTION 4: First aid measures

4.1 Description of first aid measures

In case of inhalation: Provide fresh air. Seek medical treatment in case of troubles.



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Date of print: 12/10/2017

Cleaning Tablets for Carbonizer and Cooler

Material number 40456045

Page: 3 of 9

- Following skin contact: After contact with skin, wash immediately with plenty of water. Change contaminated clothing. 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. Subsequently seek the immediate attention of an ophthalmologist.
- After swallowing: Rinse mouth and spit water out again. Repeatedly drink water.
Do not induce vomiting. Danger of foam aspiration!
Consult doctor afterwards.

4.2 Most important symptoms and effects, both acute and delayed

In case of inhalation: Inhalation of dust may cause irritation of the respiratory system.
In case of ingestion: Danger of foam aspiration.
After contact with skin: Mild irritant
After eye contact: Redness, pain.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.
Product reacts alkaline.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:

Product is non-combustible. Extinguishing materials should therefore be selected according to surroundings.

5.2 Special hazards arising from the substance or mixture

Fires in the immediate vicinity may cause the development of dangerous vapours.
In case of fire may be liberated: hydrogen chloride, nitrous fumes, Carbon monoxide and carbon dioxide.

5.3 Advice for firefighters

Special protective equipment for firefighters:

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information:

Hazchem-Code: -

Fire water reacts alkaline.

Do not allow water used to extinguish fire to enter drains, ground or waterways.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes. Avoid generation of dust.
Do not breathe dust. Suitable protective clothing. Have eye wash bottle or eye rinse ready at work place.

6.2 Environmental precautions

Do not allow to enter into ground-water, surface water or drains.
In case of release, notify competent authorities.

6.3 Methods and material for containment and cleaning up

Collect dry and place in appropriate containers for disposal. Subsequent cleaning.
To clean the floor and all object contaminated by this material, use water.



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Date of print: 12/10/2017

Cleaning Tablets for Carbonizer and Cooler

Material number 40456045

Page: 4 of 9

6.4 Reference to other sections

Refer additionally to section 8 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advices on safe handling: Provide good ventilation in the work area. Avoid contact with skin, eyes, and clothing. Do not breathe dust. In case of dust formation: Withdraw by suction.
Keep your workplace clean. Wear suitable protective clothing.

Precautions against fire and explosion:
not combustible

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:
Store container tightly closed in a dry and cool place.

Hints on joint storage: Do not store together with acids.
Do not store together with food.

7.3 Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Additional information: Please observe generally defined limit for dust:
TWA Great Britain: 10 mg/m³ (inhalable dust)
TWA Great Britain: 4 mg/m³ (respirable dust)

8.2 Exposure controls

Provide adequate ventilation, and local exhaust as needed.
In case of dust formation: Withdraw by suction.

Personal protection equipment

Occupational exposure controls

Respiratory protection: In case of dust formation: Dust mask or Particulates filter P1 according to EN 143.

Hand protection: Protective gloves according to EN 374.
Glove material: Nitrile rubber-Layer thickness: 0,11 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: Wear suitable protective clothing.

General protection and hygiene measures:
Avoid generation of dust. Do not breathe dust.
Avoid contact with skin, eyes, and clothing. Change contaminated clothing.
Have eye wash bottle or eye rinse ready at work place.
After work, wash hands and face.
Wash hands before breaks and after work.



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Date of print: 12/10/2017

Cleaning Tablets for Carbonizer and Cooler

Material number 40456045

Page: 5 of 9

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	Form: solid, Tablets Colour: white
Odour:	weak
Odour threshold:	No data available
pH value:	at 10 g/L: 10.7
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	No data available
Flash point/flash point range:	No data available
Evaporation rate:	No data available
Flammability:	No data available
Explosion limits:	No data available
Vapour pressure:	No data available
Vapour density:	No data available
Density:	No data available
Solubility:	No data available
Partition coefficient: n-octanol/water:	No data available
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

Additional information: No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

Product reacts alkaline.

10.2 Chemical stability

Product is stable under normal storage conditions.

10.3 Possibility of hazardous reactions

Reacts with acids with development of heat and formation of chlorine gas.

10.4 Conditions to avoid

Protect from excessive heat.

10.5 Incompatible materials

Acids



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Date of print: 12/10/2017

Cleaning Tablets for Carbonizer and Cooler

Material number 40456045

Page: 6 of 9

10.6 Hazardous decomposition products

Fires in the immediate vicinity may cause the development of dangerous vapours.
In case of fire may be liberated: hydrogen chloride, nitrous fumes, Carbon monoxide and carbon dioxide.

Thermal decomposition: No data available

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: Based on available data, the classification criteria are not met.
Eye damage/irritation: Eye Irrit. 2; H319 = Causes serious eye irritation.
Sensitisation to the respiratory tract: Lack of data.
Skin sensitisation: Lack of data.
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: Information about Trocloses sodium, dihydrate:
LD50 Rat, oral 550 - 1600 mg/kg.
Limited evidence of a carcinogenic effect.

Symptoms

In case of inhalation: Inhalation of dust may cause irritation of the respiratory system.
In case of ingestion: Danger of foam aspiration.
After contact with skin: Mild irritant
After eye contact: Redness, pain.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Harmful effects on water organisms by modification of pH-value.
Information about Trocloses sodium, dihydrate:
Daphnia toxicity:
EC50 Daphnia magna: 0,28 mg/L/48h.
Fish toxicity:
LC50 Oncorhynchus mykiss: 0,25 mg/L/96h.



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Cleaning Tablets for Carbonizer and Cooler

Material number 40456045

Page: 7 of 9

12.2 Persistence and degradability

Further details: Sodium carbonate:
Methods for the determination of biodegradability are not applicable to inorganic substances.
Trisodium nitrilotriacetate:
Biodegradation: > 90 % (OECD 302B, ISO 9888)
Product is readily biodegradable.

12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:
No data available

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 enter into ground-water, surface water or drains.
Avoid spills and leaks. Very small amounts contaminates drinking water.
In case of release, notify competent authorities.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Recommendation: Dispose of waste according to applicable legislation.

Contaminated packaging

Recommendation: Rinse with water. Wrap waste as is appropriate for the type of material.
Single packs can be disposed of together with household waste.

SECTION 14: Transport information

14.1 UN number

ADR/RID, IMDG, IATA-DGR:
not applicable

14.2 UN proper shipping name

ADR/RID, IMDG, IATA-DGR:
Not restricted

14.3 Transport hazard class(es)

ADR/RID, IMDG, IATA-DGR:
not applicable



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Cleaning Tablets for Carbonizer and Cooler

Material number 40456045

Page: 8 of 9

14.4 Packing group

ADR/RID, IMDG, IATA-DGR:

not applicable

14.5 Environmental hazards

Marine pollutant:

no

14.6 Special precautions for user

No dangerous good in sense of these transport regulations.

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

No data available

SECTION 15: Regulatory information

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

National regulations - Great Britain

Hazchem-Code:

-

No data available

National regulations - EC member states

Labelling of packaging with <= 125mL content



Signal word:

Warning

Hazard statements:

H412

Harmful to aquatic life with long lasting effects.

Precautionary statements:

P102

Keep out of reach of children.

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:

H302 = Harmful if swallowed.

H319 = Causes serious eye irritation.

H335 = May cause respiratory irritation.

H351 = Suspected of causing cancer.

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.

EUH031 = Contact with acids liberates toxic gas.



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Cleaning Tablets for Carbonizer and Cooler

Material number 40456045

Page: 9 of 9

Reason of change: Changes in section 1: Emergency phone number (Denmark)
Changes in section 2: labelling

Date of first version: 15/11/2011

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.