Safety Data Sheet

[In accordance with the criteria of Regulation No 1907/2006 (REACH) as amended]

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

1.1 Product identifier

Bagless cleaner

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

Relevant identified uses: Preparation for cleaning bagless vacuum cleaners.
Uses advises against: not determined.

1.3 Details of the supplier of the safety data sheet

Producer: Menz + Könecke GmbH
Address: An der Beek 255, 41372 Niederkrüchten, Deutschland
Telephone/fax: +49 2163 594 0

E-mail address for a competent person responsible for sds: info@menz.de

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

The product is not classified as hazardous for human health, life and for the environment.

2.2 Label elements

Hazard pictograms and signal words

None.

Hazard statements

None.

Precautionary statements

None.

Additional information

EUH208 Contains reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction.

Components according to Reg. No 648/2004/EC on detergents:

anionic surfactants (< 5 %), non-ionic surfactants (< 5 %), perfumes (limonene), preservatives (methylchloroisothiazolinone, methylisothiazolinone, 2-bromo-2-nitropropane-1,3-diol).

2.3 Other hazards

Product does not contain ingredients, which meet criteria for PBT or vPvB in accordance with Annex XIII of REACH Regulation.

Section 3: Composition/information on ingredients

3.1 Substances

Not applicable.

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3.2 Mixtures

CAS number: 107-98-2 EC number: 203-539-1 Index number: 603-064-00-3 REACH number: 01-2119457435-35-XXXX	1-methoxy-2-propanol [1) 2)] Flam. Liq. 3 H226; STOT SE 3 H336	1-6%
CAS number: 68891-38-3 EC number: 500-234-8 Index number: - REACH number: 01-2119488639-16-XXXX	alcohols, C12-14, ethoxylated (1-2.5 EO), sulfates, sodium salts Skin Irrit. 2 H315, Eye Dam. 1 H318, Aquatic Chronic 3, H412 specific concentration limits: Eye Dam. 1: C ≥ 10%; Eye Irrit. 2: 5 % ≤ C < 10%	< 1%
CAS number: 68439-50-9 EC number: 500-213-3 Index number: - REACH number: 01-2119487984-16-XXXX	alcohols, C12-14, ethoxylated Eye Dam. 1 H318, Aquatic Acute 1 H400 (M=1), Aquatic Chronic 3 H412	< 1%
CAS number: 55965-84-9 EC number: - Index number: 613-167-00-5 REACH number: -	reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1) Acute Tox. 3 H331, Acute Tox. 3 H311, Acute Tox. 3 H301, Skin Corr. 1B H314, Skin Sens. 1 H317, Aquatic Acute 1 H400, Aquatic Chronic 1 H410 (M=10)	< 0,0015%
[1] substance with occupational exposure limits defined on the European Union level		
Full text of each relevant H phrase is given in section 16 of SDS.		

Section 4: First aid measures

4.1 Description of first aid measures

Skin contact: contact a doctor if disturbing symptoms occur. Wash contaminated skin thoroughly with water and soap.

Eye contact: contact an ophthalmologist immediately. Protect non-irritated eye, remove contact lenses. Rinse contaminated eyes with water for 10-15 minutes. Avoid strong stream of water – risk of damage of the cornea.

Ingestion: rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical advice if disturbing symptoms occur.

Inhalation: remove the victim to fresh air. Keep warm and calm. Contact a doctor if disturbing symptoms occur.

4.2 Most important symptoms and effects, both acute and delayed

Skin contact: in case of long-term contact possible redness, dryness, cracking, defatting. 7Allergic reaction possible in susceptible individuals.

Eye contact: possible redness, tearing, burning sensation.

Ingestion: possible abdominal pains, nausea, vomiting, diarrhoea.

Inhalation: possible respiratory tract irritation in case of formation of mists.

4.3 Indication of any immediate medical attention and special treatment needed

Physician makes a decision regarding further medical treatment after thoroughly examination of the injured.

Section 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: adjust firefighting measures to the surrounding materials.

Unsuitable extinguishing media: water jet – risk of propagation of the flame.

5.2 Special hazards arising from the substance or mixture

During combustion harmful gases consisting of carbon oxides, sulphur oxides. Do not inhale combustion products, it may cause health risk.

5.3 Advice for firefighters

Personal protection typical in case of fire. Do not stay in the fire zone without self-contained breathing apparatus and protective clothing resistant to chemicals.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Limit the access for the outsiders into the breakdown area, until the suitable cleaning operations are completed. Ensure that effects of the breakdown are removed only by qualified personnel. In case of large spills, isolate the exposed area. Avoid eyes and skin contamination. Do not walk through spilled material – risk of slipping. Ensure adequate ventilation. Wear personal protective equipment.

6.2 Environmental precautions

In case of release of large amounts of the product, it is necessary to take appropriate steps to prevent it from spreading into the environment. Notify relevant emergency services if necessary.

6.3 Methods and material for containment and cleaning up

Collect product using liquid binding materials (eg. sand, diatomaceous earth, universal binding substances) and place it in labelled containers. Clean the contaminated area.

6.4 Reference to other sections

Appropriate conduct with waste product – section 13. Personal protection equipment – section 8.

Section 7: Handling and storage

7.1 Precautions for safe handling

Handle in accordance with good occupational hygiene and safety practices. Avoid eye and prolonged skin contact. Before break and after work wash hands carefully. Use as intended. Do not inhale product vapours and mists. Ensure adequate ventilation. Keep the unused containers tightly closed. Use personal protective measures.

7.2 Conditions for safe storage, including any incompatibilities

Store only in original, tightly sealed containers. Keep away from food, animal feed. Avoid direct sunlight. Containers that are opened should be properly resealed and kept upright to prevent leakage.

7.3 Specific end use(s)

No information about uses other than mentioned in subsection 1.2.

Section 8: Exposure controls/personal protection

8.1 Control parameters

Specification	TWA 8 hour	STEL 15 min
1-methoxy-2-propanol [CAS 107-98-2]	375 mg/m^3	568 mg/m^3

Please check any national occupational exposure limit values in your country.

Legal Basis: Commission Directive 2006/15/EC, 2000/39/EC, 2009/161/EU, 2017/164/EU

Recommended control procedures

Procedures concerning the control over the dangerous components concentrations in the air and control over the air quality in the workplace – if they are available and justified for the position – in accordance with the European Standards, with the conditions within the exposure place and a proper test methodology adapted to the working conditions.

8.2 Exposure controls

Observe good occupational hygiene and safety practices. Do not eat, drink or smoke. Before break and after work wash hands carefully. Ensure local and/or general ventilation.

Hand and body protection

Use adequate protective gloves in case of long-term or direct contact. Recommended material for gloves: nitrile rubber, butyl rubber with effectiveness level 2 or higher.

The material that the gloves are made of must be impenetrable and resistant to the product's effects. The selection of material must be performed with consideration of breakthrough time, penetration speed and degradation. Moreover, the selection of proper gloves depends not only on the material, but also on other quality features and changes depending on the manufacturer. The producer should provide detailed information regarding the exact breakthrough time. This information should be followed.

Eye protection

Use tightly fitting protective goggles if there is a risk of eye contamination.

Respiratory protection

In case of normal and intended use it is not required. If the occupational exposure limit values are exceeded or in emergency situations, use the absorbing or absorbing-filtering equipment of the appropriate protective class.

Personal protective equipment must meet requirements of directive 89/686/CE. Employer is obliged to ensure equipment adequate to activities carried out, with quality demands, cleaning and maintenance.

Environmental exposure controls

Do not allow the large quantity of mixture to contaminate ground water, wastewater, canalization or soil.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

physical state:		liquid
colour:		colourless
odour:		characteristic, lemon
odour threshold:		not determined
pH:		not determined
melting point/freezing point:		not determined
initial boiling point and boiling range:	ca. 100 °C	
flash point:		> 60 °C
evaporation rate:		not determined
flammability (solid, gas):		not applicable
upper/lower flammability or explosive limits	:	not determined
vapour pressure:		not determined
vapour density:		not determined
density:		not determined
solubility(ies):		soluble in water
partition coefficient: n-octanol/water:		not determined
auto-ignition temperature:		product is not subject to auto-ignition
decomposition temperature:		not determined
explosive properties:		not display
oxidising properties:		not display
viscosity:		not determined

9.2 Other information

No additional test results.

Section 10: Stability and reactivity

10.1 Reactivity

Product does not undergo a dangerous polymerization. See also subsection 10.3 and 10.5.

10.2 Chemical stability

The product is stable under normal conditions of handling and storage.

10.3 Possibility of hazardous reactions

Hazardous reactions are not known.

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10.4 Conditions to avoid

Avoid sources of warmth, direct sunlight.

10.5 Incompatible materials

Strong oxidizers.

10.6 Hazardous decomposition products

Not known.

Section 11: Toxicological information

11.1 Information on toxicological effects

Information regarding acute and/or delayed results of the exposure was defined on the basis of the information on product's classification and/or toxicological studies as well as the experience and knowledge of the manufacturer.

Acute 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 sensitization

Based on available data, the classification criteria are not met. However, the product contains component, which may cause allergic reaction in susceptible individuals.

Germ cell mutagenicity

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

Carcinogenicity

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

Reproductive toxicity

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

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.

Section 12: Ecological information

12.1 Toxicity

Product is not classified as hazardous for the environment.

12.2 Persistence and degradability

Surfactants used in the product are biodegradable.

12.3 Bioaccumulative potential

Bioaccumulation is not expected.

12.4 Mobility in soil

The product is mobile in soil and in the aquatic environment.

12.5 Results of PBT and vPvB assessment

Substances contained in the product are not classified as PBT or vPvB.

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12.6 Other adverse effects

Product has no influence on global warming and destruction of the ozone layer.

Section 13: Disposal considerations

13.1 Waste treatment methods

Disposal methods for the mixture: disposal in accordance with the local legislation. Store residues in original containers. Waste code should be assigned in place of formation.

Disposal methods for used packing: reuse/recycle/eliminate empty containers in accordance with the local legislation. Only completely empty containers can be reused.

Legal basis: Directive 2008/98/EC, 94/62/EC.

Section 14: Transport information

14.1 UN Number

Not applicable.

14.2 UN proper shipping name

Not applicable.

14.3 Transport hazard class(es)

Not applicable.

14.4 Packing group

Not applicable.

14.5 Environmental hazards

Not applicable.

14.6 Special precautions for user

No special precautions.

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

Not applicable.

Section 15: Regulatory information

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

Commission Regulation (EU) **2015/830** of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC as amended.
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (Text with EEA relevance) as amended.
Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives.
European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste

15.2 Chemical safety assessment

Chemical safety assessment for the mixture was not carried out.

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Section 16: Other information

Full text of indicated H phrases mentioned in section 3

H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H336	May cause drowsiness or dizziness.
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.

Abbreviations and acronyms

PBT	Persistent, Bioaccumulative and Toxic substance
vPvB	very Persistent, very Bioaccumulative substance
Acute Tox. 3	Toksyczność ostra kat. 3
Acute Tox. 4	Toksyczność ostra kat. 4
Aquatic Acute 1	Stwarzające zagrożenie dla środowiska wodnego – zagrożenie ostre kat. 1
Aquatic Chronic 1	Stwarzające zagrożenie dla środowiska wodnego – zagrożenie przewlekłe kat. 1
Aquatic Chronic 3	Stwarzające zagrożenie dla środowiska wodnego – zagrożenie przewlekłe kat. 3
Flam. Liq. 3	Substancja ciekła łatwopalna kat. 3
Skin Corr. 1B	Działanie żrące kat. 1B
Skin Irrit. 2	Działanie drażniące na skórę kat. 2
Skin Sens. 1	Działanie uczulające na skórę kat. 1
STOT SE 3	Działanie toksyczne na narządy docelowe – narażenie jednorazowe kat. 3

Trainings

Before commencing working with the product, the user should learn the Health & Safety regulations, regarding handling chemicals, and in particular, undergo a proper workplace training.

Key literature references and data sources

This SDS was prepared on the basis of sheets of the individual components, literature data, online databases (e.g. ECHA, TOXNET, COSING) as well as our knowledge and experience, taking into account current legislation.

Classification and procedures used to classify the mixture in accordance with Reg. EC 1272/2008

Classification was based on physico-chemical data and data on hazardous substances calculation method under the guidance of Regulation 1272/2008/EC (CLP) as amended.

The information above is based on a current available data concerning the product, but also on the experience and knowledge in this field of the producer. They are neither a quality description of the product nor a guarantee of particular features. They are to be treated as aid to safety in transport, storage and usage of the product. That does not free the user from the responsibility of improper usage of the information above and also of improper compliance with the law norms in the field.