

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Klima Cleaner Easy-to-Use

Print date: 08.03.2016

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

##### 1.1. Product identifier

Klima Cleaner Easy-to-Use

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

###### Use of the substance/mixture

Cleaning agent.

##### 1.3. Details of the supplier of the safety data sheet

Company name:	nextzett GmbH	
Street:	An der Höhe 15	
Place:	D-51674 Wiehl-Marienhagen	
Telephone:	+49 2261 6095433	Telefax: +49 2261 6095429
e-mail:	matthias.gregorzewski@nextzett.de	
Contact person:	Mr. Gregorzewski	
Internet:	www.nextzett.de	
Responsible Department:	Mr. Gregorzewski	

##### 1.4. Emergency telephone number:

+49 171 9939555

##### Further Information

General chemicals, as they are used in many ways in the chemical industry..

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### Regulation (EC) No. 1272/2008

Hazard categories:

Aerosol: Aerosol 3

Hazardous to the aquatic environment: Aquatic Chronic 2

Hazard Statements:

Pressurised container: May burst if heated.

Harmful to aquatic life with long lasting effects.

##### 2.2. Label elements

###### Regulation (EC) No. 1272/2008

Signal word: Warning

###### Hazard statements

H229 Pressurised container: May burst if heated.

H412 Harmful to aquatic life with long lasting effects.

###### Precautionary statements

P102 Keep out of reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P251 Do not pierce or burn, even after use.

P273 Avoid release to the environment.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

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#### Special labelling of certain mixtures

EUH208 Contains polyhexamethylene biguanide hydrochloride, (R)-p-mentha-1,8-diene, d-limonene. May produce an allergic reaction.

#### Additional advice on labelling

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP].

#### 2.3. Other hazards

The preparation is not dangerous in the sense of Directive 1999/45/EC.

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Chemical characterization

Mixture of substances listed below with nonhazardous additions.

##### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
115-10-6	dimethyl ether			20 - < 25 %
	204-065-8	603-019-00-8		
	Flam. Gas 1; H220			
27083-27-8	polyhexamethylene biguanide hydrochloride			< 1 %
	-	616-207-00-X		
	Carc. 2, Acute Tox. 4, STOT RE 1, Eye Dam. 1, Skin Sens. 1B, Aquatic Acute 1 (M-Factor = 10), Aquatic Chronic 1 (M-Factor = 10); H351 H302 H372 H318 H317 H400 H410			
1336-21-6	Ammonia ... %			< 1 %
	215-647-6	007-001-01-2		
	Skin Corr. 1B, Aquatic Acute 1 (M-Factor = 1); H314 H400			
5989-27-5	(R)-p-mentha-1,8-diene, d-limonene			< 1 %
	227-813-5	601-029-00-7		
	Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1, Aquatic Acute 1 (M-Factor = 1), Aquatic Chronic 1; H226 H315 H317 H400 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

In case of allergic symptoms, especially in the breathing area, seek medical advice immediately.

##### After inhalation

Provide fresh air.

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#### After contact with skin

After contact with skin, wash immediately with: Water and soap.

#### After contact with eyes

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart.

#### After ingestion

Rinse mouth thoroughly with water.

#### **4.2. Most important symptoms and effects, both acute and delayed**

No known symptoms to date.

#### **4.3. Indication of any immediate medical attention and special treatment needed**

In all cases of doubt, or when symptoms persist, seek medical advice.

### SECTION 5: Firefighting measures

#### **5.1. Extinguishing media**

##### **Suitable extinguishing media**

Foam. Extinguishing powder. Carbon dioxide (CO<sub>2</sub>). Atomized water.

Use water spray jet to protect personnel and to cool endangered containers.

##### **Unsuitable extinguishing media**

No data available

#### **5.2. Special hazards arising from the substance or mixture**

No information available.

#### **5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus.

### SECTION 6: Accidental release measures

#### **6.1. Personal precautions, protective equipment and emergency procedures**

Wear personal protection equipment.

#### **6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

#### **6.3. Methods and material for containment and cleaning up**

Treat the recovered material as prescribed in the section on waste disposal.

#### **6.4. Reference to other sections**

Suitable material for diluting or neutralizing: Water.

See protective measures under point 7 and 8.

Treat the recovered material as prescribed in the section on waste disposal.

### SECTION 7: Handling and storage

#### **7.1. Precautions for safe handling**

##### **Advice on safe handling**

Avoid contact with eyes.

##### **Advice on protection against fire and explosion**

not Explosive.

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#### Further information on handling

When diluting, always get the water first and then add the product.

#### 7.2. Conditions for safe storage, including any incompatibilities

##### Requirements for storage rooms and vessels

Store only in original container.

##### Advice on storage compatibility

Materials to avoid: Oxidizing agents.

##### Further information on storage conditions

Protect against: heat.

#### 7.3. Specific end use(s)

Observe technical data sheet.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
7664-41-7	Ammonia, anhydrous	25	18		TWA (8 h)	WEL
		35	25		STEL (15 min)	WEL
115-10-6	Dimethyl ether	400	766		TWA (8 h)	WEL
		500	958		STEL (15 min)	WEL

##### Additional advice on limit values

Does not contain substances above concentration limits fixing an occupational exposure limit.

#### 8.2. Exposure controls

##### Appropriate engineering controls

Refer to chapter 7. No further action is necessary.

##### Protective and hygiene measures

Wash hands before breaks and after work.

##### Eye/face protection

Eye protection: not required.

##### Hand protection

Tested protective gloves are to be worn: nach DIN EN 374

Suitable material:

NBR (Nitrile rubber):

Thickness of glove material: 0,3 mm; penetration time (maximum wearing period): 480 min.

NR (Natural rubber (Caoutchouc), Natural latex):

Thickness of glove material: 0,6 mm; penetration time (maximum wearing period): 60 min.

Additional protection measures for the hands: Before using check leak tightness / impermeability.

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#### Skin protection

Body protection: not required.

#### Respiratory protection

No special precautionary measures are necessary.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state:	Aerosol
Colour:	light yellow
Odour:	characteristic

#### Test method

pH-Value (at 20 °C):	9,5	DIN 19268
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#### Changes in the physical state

Melting point:	Undetermined.
Initial boiling point and boiling range:	-24 °C DIN 53171
Flash point:	- 40 °C DIN 51755

#### Flammability

Solid:	Undetermined.
Gas:	Undetermined.

#### Explosive properties

not Explosive.

Lower explosion limits:	3 vol. %
Upper explosion limits:	18,6 vol. %
Ignition temperature:	235 °C DIN 51794

#### Auto-ignition temperature

Solid:	Undetermined.
Gas:	Undetermined.

Decomposition temperature:	Undetermined.
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#### Oxidizing properties

not oxidizing.

Vapour pressure: (at 20 °C)	5200 hPa
Density (at 20 °C):	1,002 g/cm³ DIN 51757

Water solubility: (at 20 °C)	complete miscible
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Partition coefficient:	Undetermined.
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Flow time:	3 DIN EN ISO 2431
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Vapour density:	Undetermined.
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Evaporation rate:	Undetermined.
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#### 9.2. Other information

Solid content:

0,51 %

Product is not selfigniting.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No information available.

#### 10.2. Chemical stability

The product is stable.

#### 10.3. Possibility of hazardous reactions

No information available.

#### 10.4. Conditions to avoid

heat.

#### 10.5. Incompatible materials

Oxidizing agents, strong.

#### 10.6. Hazardous decomposition products

No dangerous decomposition products known.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity

CAS No	Chemical name			
	Exposure route	Dose	Species	Source
27083-27-8	polyhexamethylene biguanide hydrochloride			
	oral	ATE 500 mg/kg		
1336-21-6	Ammonia ... %			
	oral	LD50 350 mg/kg	Rat	
5989-27-5	(R)-p-mentha-1,8-diene, d-limonene			
	oral	LD50 > 2000 mg/kg	Rat	
	dermal	LD50 > 2000 mg/kg	Rabbit	IUCLID

##### Irritation and corrosivity

Irritant effect on the skin: Not an irritant. Practical experience.

Irritant effect on the eye: Not an irritant. Practical experience.

##### Sensitising effects

Respiratory or skin sensitisation After skin contact: no danger of sensitization.

##### Specific effects in experiment on an animal

No information available.

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## SECTION 12: Ecological information

### 12.1. Toxicity

CAS No	Chemical name				
	Aquatic toxicity	Dose	[h]   [d]	Species	Source
1336-21-6	Ammonia ... %				
	Acute fish toxicity	LC50	0,53 mg/l	96 h	Onchorhynchus mykiss
	Acute crustacea toxicity	EC50	24 mg/l	48 h	Daphnia magna
5989-27-5	(R)-p-mentha-1,8-diene, d-limonene				
	Acute fish toxicity	LC50	0,7 mg/l	96 h	Pimephales promelas
	Acute crustacea toxicity	EC50	0,42 mg/l	48 h	Daphnia magna

### 12.2. Persistence and degradability

Biological degradation: > 80% (28 d) Easily biodegradable (concerning to the criteria of the OECD)  
Degree of elimination: > 95% Method: OECD 301E/ EWG 92/69, annex V, C.4-B  
Biologically degradable according to the criteria laid out in the Washing and Cleansing Agents Act .  
The surfactants contained in the product are biodegradable according to the requirements of the Detergent Directive 648/2004/EC.

### 12.3. Bioaccumulative potential

No indication of bio-accumulation potential.

### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
115-10-6	dimethyl ether	0,1
1336-21-6	Ammonia ... %	-1,38
5989-27-5	(R)-p-mentha-1,8-diene, d-limonene	4,23

### 12.5. Results of PBT and vPvB assessment

No information available.

### 12.6. Other adverse effects

AOX: The product contains no organically bound Halogen.

### Further information

Effects in sewage plants:  
Technically correct releases of minimal concentrations to adapted biological sewage treatment facility , will not disturb the biodegradability of activated sludge.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Advice on disposal

Dispose of waste according to applicable legislation.

#### Waste disposal number of waste from residues/unused products

200130 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents other than those mentioned in 20 01 29

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#### Contaminated packaging

Water.

Contaminated packing must be completely emptied and can be re-used following appropriate cleaning.

### SECTION 14: Transport information

#### Land transport (ADR/RID)

<b>14.1. UN number:</b>	UN 1950
<b>14.2. UN proper shipping name:</b>	AEROSOLS
<b>14.3. Transport hazard class(es):</b>	2
<b>14.4. Packing group:</b>	-
Hazard label:	2.1



Classification code:	5F
Special Provisions:	190 327 344 625
Limited quantity:	1 L
Excepted quantity:	E0
Transport category:	2
Tunnel restriction code:	D

#### Other applicable information (land transport)

No dangerous good in sense of these transport regulations.

#### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

#### 14.6. Special precautions for user

Caution! Container under pressure.

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

Not applicable, as aerosol.

### SECTION 15: Regulatory information

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

##### EU regulatory information

2010/75/EU (VOC): 22,27 % (223,145 g/l)

##### Additional information

Sources of the most important data: 2001/118/EG, 1999/45/EG, 91/155/EEG, 67/548/EEG, (EG) 1907/2006, (EG) 1272/2008, GefStoffV, WRMG, WHG, TRG 300, TRGS 200, TRGS 220, ADR 2015, IMDG-Code

##### National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

#### 15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.



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#### SECTION 16: Other information

##### Relevant H and EUH statements (number and full text)

H220	Extremely flammable gas.
H226	Flammable liquid and vapour.
H229	Pressurised container: May burst if heated.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H351	Suspected of causing cancer.
H372	Causes damage to organs through prolonged or repeated exposure.
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.
EUH208	Contains polyhexamethylene biguanide hydrochloride, (R)-p-mentha-1,8-diene, d-limonene. May produce an allergic reaction.

##### Further Information

Moreover, national legislation has to be observed!

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.

The receiver of our product is singularly responsible for adhering to existing laws and regulations.

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*