

Safety Data Sheet

according to Regulation (EC) No 1907/2006

910000_784826_499287_Camping_Power_Reinigungskonzentrat

Revision date: 07.08.2017

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

1.1. Product identifier

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

Use of the substance/mixture

Cleaning agent, alkaline

1.3. Details of the supplier of the safety data sheet

Company name:	Technolit GmbH	
Street:	Industriestr. 8	
Place:	D-36137 Großlüder	
Telephone:	+49 (0) 66 48 / 69-0	Telefax: +49 (0) 66 48 / 69-5 69
e-mail:	info@technolit.de	
Internet:	www.technolit.de	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:

Skin corrosion/irritation: Skin Corr. 1

Serious eye damage/eye irritation: Eye Dam. 1

Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

Causes severe skin burns and eye damage.

Causes serious eye damage.

Harmful to aquatic life with long lasting effects.

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling

Sodium-metasilicate-5-hydrate

C9-C11 Alcohol, ethoxylated

Signal word: Danger

Pictograms:



Hazard statements

H314 Causes severe skin burns and eye damage.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

P405 Store locked up.

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P501 Dispose of this material and its container to hazardous or special waste collection point.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

CAS No	Chemical name	Quantity		
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
10213-79-3	Sodium-metasilicate-5-hydrate			1 - <5 %
	229-912-9		01-2119449811-37	
	Met. Corr. 1, Skin Corr. 1B, STOT SE 3; H290 H314 H335			
68439-46-3	C9-C11 Alcohol, ethoxylated			1 - <5 %
	Acute Tox. 4, Eye Dam. 1; H302 H318			
	Amines, C12-C14 (even numbered)-alkyldimethyl, N-oxides			0,1 - <1 %
	931-292-6		01-2119490061-47	
	Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Aquatic Acute 1 (M-Factor = 1), Aquatic Chronic 2; H302 H315 H318 H400 H411			
	Amines, N-tallow alkyltrimethylendiethoxylated			0,1 - <1 %
	800-029-6		01-2119962190-43	
	Acute Tox. 4, Skin Corr. 1A, Eye Dam. 1, STOT RE 1, Aquatic Acute 1 (M-Factor = 1), Aquatic Chronic 1; H302 H314 H318 H372 H400 H410			

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

Further Information

Labelling for contents according to regulation (EC) No. 648/2004:
<5 % nonionic surfactants, <5 % phosphonates

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

First aider: Pay attention to self-protection! Remove affected person from the danger area and lay down.

After inhalation

Provide fresh air. Medical treatment necessary. In case of respiratory tract irritation, consult a physician.

After contact with skin

After contact with skin, wash immediately with polyethylene glycol, followed by plenty of water. Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.

After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

After ingestion

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Adverse human health effects and symptoms: gastric perforation. Call a physician immediately. Do not allow a neutralisation agent to be drunk.

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

Skin corrosion/irritation

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.
Water spray jet, alcohol resistant foam, Carbon dioxide (CO₂), Extinguishing powder.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Non-flammable. Special danger of slipping by leaking/spilling product.

5.3. Advice for firefighters

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

Additional information

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately.
Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use 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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

Safe handling: see section 7
Personal protection equipment: see section 8
Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

Advice on protection against fire and explosion

No special fire protection measures are necessary.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Keep locked up. Store in a place accessible by authorized persons only. Provide adequate ventilation as well as local exhaustion at critical locations.

Advice on storage compatibility

No special measures are necessary.

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Further information on storage conditions

Store in a well-ventilated place. Keep cool.

7.3. Specific end use(s)

Cleaning agent, alkaline

Notice the directions for use on the label.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
10213-79-3	Sodium-metasilicate-5-hydrate			
Consumer DNEL, long-term		oral	systemic	0,74 mg/kg bw/day
Worker DNEL, long-term		dermal	systemic	1,49 mg/kg bw/day
Consumer DNEL, long-term		dermal	systemic	0,74 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	6,22 mg/m ³
Consumer DNEL, long-term		inhalation	systemic	1,55 mg/m ³
	Amines,N-tallow alkyltrimethylendiethoxylated			
Worker DNEL, long-term		inhalation	systemic	0,12 mg/m ³
Worker DNEL, long-term		dermal	systemic	0,017 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	0,025 mg/m ³
Consumer DNEL, long-term		dermal	systemic	0,007 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	0,007 mg/kg bw/day

PNEC values

CAS No	Substance	Value
10213-79-3	Sodium-metasilicate-5-hydrate	
Freshwater		7,5 mg/l
Marine water		1 mg/l
Micro-organisms in sewage treatment plants (STP)		1000 mg/l
	Amines,N-tallow alkyltrimethylendiethoxylated	
Freshwater		0,002 mg/l
Marine water		0,0002 mg/l
Freshwater sediment		7,5 mg/kg
Secondary poisoning		0,089 mg/kg
Micro-organisms in sewage treatment plants (STP)		1,6 mg/l
Soil		5 mg/kg

Additional advice on limit values

To date, no national critical limit values exist.

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8.2. Exposure controls



Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

Protective and hygiene measures

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme.

Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink.

Eye/face protection

Suitable eye protection: goggles

Hand protection

Suitable gloves type: Butyl caoutchouc (butyl rubber) (0,7 mm) Breakthrough time (maximum wearing time) >240 min

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection

Wear suitable protective clothing.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: liquid
Colour: colourless
Odour: characteristic

pH-Value (at 20 °C): 12,5

Changes in the physical state

Melting point: not determined

Initial boiling point and boiling range: 100 °C

Flash point: not determined

Flammability

Solid: not applicable

Gas: not applicable

Lower explosion limits: not determined

Upper explosion limits: not determined

Auto-ignition temperature

Solid: not applicable

Gas: not applicable

Decomposition temperature: not determined

Test method

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Oxidizing properties

Not oxidising.

Vapour pressure: not determined

Density (at 20 °C): 1,06 g/cm³

Water solubility: easily soluble

Solubility in other solvents

not determined

Partition coefficient: not determined

Vapour density: not determined

Evaporation rate: not determined

9.2. Other information

Solid content: not determined

SECTION 10: Stability and reactivity

10.1. Reactivity

Possibility of hazardous reactions.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Exothermic reaction with: Acid, Peroxides, Oxidising agent.

10.4. Conditions to avoid

Heat / Frost

10.5. Incompatible materials

Keep away from: Acid, Peroxides, Oxidising agent.

10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

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

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
10213-79-3	Sodium-metasilicate-5-hydrate				
	oral	LD50 1152-1349 mg/kg	Rat		
	dermal	LD50 >5000 mg/kg	Rat		
68439-46-3	C9-C11 Alcohol, ethoxylated				
	oral	ATE 500 mg/kg			
	Amines, C12-C14 (even numbered)-alkyldimethyl, N-oxides				
	oral	LD50 1064 mg/kg	Rat		
	dermal	LD50 >2000 mg/kg	Rat		
	Amines,N-tallow alkyltrimethylendiethoxylated				
	oral	LD50 >500 mg/kg	Rat		

Irritation and corrosivity

Causes severe skin burns and eye damage.

Sensitising effects

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

Carcinogenic/mutagenic/toxic effects for reproduction

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.

Additional information on tests

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

SECTION 12: Ecological information

12.1. Toxicity

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
10213-79-3	Sodium-metasilicate-5-hydrate					
	Acute fish toxicity	LC50 210 mg/l	96 h	Brachydanio rerio (zebra-fish)		
	Acute algae toxicity	ErC50 207 mg/l	72 h	Desmodesmus subspicatus		
	Acute crustacea toxicity	EC50 1700-4857 mg/l	48 h	Daphnia magna (Big water flea)		
	Amines, C12-C14 (even numbered)-alkyldimethyl, N-oxides					
	Acute fish toxicity	LC50 3,46 mg/l	96 h			
	Acute algae toxicity	ErC50 0,266 mg/l	72 h			
	Acute crustacea toxicity	EC50 3,1 mg/l	48 h			
	Algae toxicity	NOEC 0,067 mg/l	3 d			
	Crustacea toxicity	NOEC 0,7 mg/l	21 d			
	Amines, N-tallow alkyltrimethylendiethoxylated					
	Acute algae toxicity	ErC50 0,16 mg/l	72 h	algae	OECD 201	
	Acute crustacea toxicity	EC50 0,31 mg/l	48 h		OECD 202	

12.2. Persistence and degradability

The product has not been tested.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
	Amines, N-tallow alkyltrimethylendiethoxylated			
	OECD 301B	>60%	28	
	Readily biodegradable (according to OECD criteria).			

12.3. Bioaccumulative potential

The product has not been tested.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
	Amines, N-tallow alkyltrimethylendiethoxylated	2,8

BCF

CAS No	Chemical name	BCF	Species	Source
	Amines, N-tallow alkyltrimethylendiethoxylated	11		

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

The product has not been tested.

12.6. Other adverse effects

No information available.

Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

Waste disposal number of waste from residues/unused products

200129 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents containing hazardous substances
Classified as hazardous waste.

Waste disposal number of contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances
Classified as hazardous waste.

Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number: UN 1719
14.2. UN proper shipping name: CAUSTIC ALKALI LIQUID, N.O.S.
(Sodium-metasilicate-5-hydrate; C9-C11 Alcohol, ethoxylated)
14.3. Transport hazard class(es): 8
14.4. Packing group: III
Hazard label: 8



Classification code: C5
Special Provisions: 274
Limited quantity: 5 L
Excepted quantity: E1
Transport category: 3
Hazard No: 80
Tunnel restriction code: E

Inland waterways transport (ADN)

14.1. UN number: UN 1719
14.2. UN proper shipping name: CAUSTIC ALKALI LIQUID, N.O.S.
(Sodium-metasilicate-5-hydrate; C9-C11 Alcohol, ethoxylated)
14.3. Transport hazard class(es): 8
14.4. Packing group: III
Hazard label: 8

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Classification code: C5
Special Provisions: 274
Limited quantity: 5 L
Excepted quantity: E1

Marine transport (IMDG)

14.1. UN number: UN 1719
14.2. UN proper shipping name: CAUSTIC ALKALI LIQUID, N.O.S.
(Sodium-metasilicate-5-hydrate; C9-C11 Alcohol, ethoxylated)
14.3. Transport hazard class(es): 8
14.4. Packing group: III
Hazard label: 8



Special Provisions: 223, 274
Limited quantity: 5 L
Excepted quantity: E1
EmS: F-A, S-B

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: UN 1719
14.2. UN proper shipping name: CAUSTIC ALKALI LIQUID, N.O.S.
(Sodium-metasilicate-5-hydrate; C9-C11 Alcohol, ethoxylated)
14.3. Transport hazard class(es): 8
14.4. Packing group: III
Hazard label: 8



Special Provisions: A3 A803
Limited quantity Passenger: 1 L
Passenger LQ: Y841
Excepted quantity: E1
IATA-packing instructions - Passenger: 852
IATA-max. quantity - Passenger: 5 L
IATA-packing instructions - Cargo: 856
IATA-max. quantity - Cargo: 60 L

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

Warning: strongly corrosive.

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

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EU regulatory information

Additional information

To follow: 850/2004/EC, 79/117/EEC, 689/2008/EC

National regulatory information

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).
Water contaminating class (D): 1 - slightly water contaminating

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

Relevant H and EUH statements (number and full text)

H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
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.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Further Information

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.

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