

Reinigungsmittel Tab Glas

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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**

Washing and cleaning products

Uses advised against

No data available

1.3. Details of the supplier of the safety data sheet

Company name: NAIKED GmbH
Street: Luisenweg 109
Place: D-20537 Hamburg
Telephone: +49 (0)40 / 60 77 83 60
Contact person: Zentrale

1.4. Emergency telephone number: +49 (0) 700 / 24 112 112 (DRT)

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****GB CLP Regulation**

Hazard categories:

Serious eye damage/eye irritation: Eye Irrit. 2

Hazard Statements:

Causes serious eye irritation.

2.2. Label elements**GB CLP Regulation****Signal word:** Warning**Pictograms:****Hazard statements**

H319 Causes serious eye irritation.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P264 Wash hands thoroughly after handling.
P280 Wear protective gloves and eye/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.

2.3. Other hazards

Results of PBT and vPvB assessment: The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

SECTION 3: Composition/information on ingredients**3.2. Mixtures**

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Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
77-92-9	Citric acid			35 - < 40 %
	201-069-1		01-2119457026-42	
	Eye Irrit. 2; H319			
68955-19-1	Sulfuric acid, mono-C12-18-alkyl esters, sodium salts			1 - < 5 %
	273-257-1		01-2119490225-39	
	Skin Irrit. 2, Eye Dam. 1, STOT SE 3, Aquatic Chronic 3; H315 H318 H335 H412			
68439-50-9	Alcohols, C12-14, ethoxylated			1 - < 5 %
	931-014-3			
	Acute Tox. 4, Eye Irrit. 2; H302 H319			

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

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
77-92-9	201-069-1	Citric acid	35 - < 40 %
		dermal: LD50 = > 2000 mg/kg; oral: LD50 = 5400 mg/kg	
68955-19-1	273-257-1	Sulfuric acid, mono-C12-18-alkyl esters, sodium salts	1 - < 5 %
		dermal: LD50 = >2000 mg/kg; oral: LD50 = >4010 mg/kg Eye Dam. 1; H318: >= 20 - 100 Eye Irrit. 2; H319: >= 10 - < 20	
68439-50-9	931-014-3	Alcohols, C12-14, ethoxylated	1 - < 5 %
		oral: ATE = 500 mg/kg	

Labelling for contents according to Regulation (EC) No 648/2004

< 5 % anionic surfactants, < 5 % non-ionic surfactants, disinfectants, perfumes (Linalool).

Further Information

pH regulating agent, Carbonate salt, Complexing agent, Dye

SECTION 4: First aid measures
4.1. Description of first aid measures
General information

Remove contaminated, saturated clothing immediately.

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After inhalation

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

Call a doctor if you feel unwell.

After contact with skin

Remove contaminated, saturated clothing immediately. And wash it before reuse.

After contact with skin, wash immediately with plenty of water and soap.

If skin irritation occurs: Get medical advice/attention.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

Remove contact lenses, if present and easy to do. Continue rinsing.

In case of eye irritation consult an ophthalmologist.

After ingestion

Rinse mouth thoroughly with water.

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Let water be drunken in little sips (dilution effect). Never give anything by mouth to an unconscious person or a person with cramps.

Do NOT induce vomiting.

Get medical advice/attention if you feel unwell.

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

Reference to other sections: 2

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

First Aid, decontamination, treatment of symptoms.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Water spray jet, Dry extinguishing powder, Carbon dioxide (CO₂), alcohol resistant foam

Unsuitable extinguishing media

Strong water jet

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products: Carbon monoxide, Carbon dioxide, Nitrogen oxides (NO_x), MetalOx, Sulphur oxides

5.3. Advice for firefighters

Remove persons to safety.

Fight fire with normal precautions from a reasonable distance.

Special protective equipment for firefighters Protective clothing.

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

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

Dispose of waste according to applicable legislation.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****General measures**

See protective measures under point 7 and 8.

Wear personal protection equipment (refer to section 8).

Avoid contact with skin, eyes and clothes.

Avoid dust formation. Keep away from sources of ignition - No smoking.

Provide adequate ventilation.

Avoid breathing dust/mist. In case of inadequate ventilation wear respiratory protection.

For non-emergency personnel

Remove persons to safety.

Measures to prevent aerosol and dust generation

6.2. Environmental precautions

Do not allow to enter into soil/subsoil.

Do not allow to enter into surface water or drains.

Cover drains.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

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

Handling larger quantities: Prevent spread over a wide area (e.g. by containment or oil barriers). Take up mechanically, placing in appropriate containers for disposal.

For cleaning up

Clean with detergents. Avoid solvent cleaners.

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Other information

- Provide fresh air.
- Avoid dust formation. Do not use a dry brush as dust clouds or static can be created.
- Dispose of waste according to applicable legislation.

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**

- Wear personal protection equipment (refer to section 8).
- Avoid contact with eyes and skin.
- Keep container tightly closed.
- Provide adequate ventilation.
- Avoid dust formation.
- Avoid release to the environment. Collect spillage.

Advice on protection against fire and explosion

- Keep away from sources of ignition - No smoking.
- Generation/formation of dust: Take precautionary measures against static discharges.

Advice on general occupational hygiene

- Germany - Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500.
- Wash hands and face before breaks and after work and take a shower if necessary.
- When using do not eat, drink, smoke, sniff.
- Only wear fitting, comfortable and clean protective clothing.
- Avoid contact with skin, eyes and clothes.
- Take off contaminated clothing and wash it before reuse.
- Provide eye shower and label its location conspicuously
- Make available sufficient washing facilities
- To follow: Skin protection

Further information on handling

- Observe instructions for use.
- Measures to prevent aerosol and dust generation

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

- Keep locked up and out of reach of children.
- Keep/Store only in original container.
- Keep in a cool, well-ventilated place.
- Keep the packing dry and well sealed to prevent contamination and absorption of humidity.
- Protect from direct sunlight.

Hints on joint storage

- Keep away from food, drink and animal feedingstuffs.
- Keep away from: Strong alkali; Oxidising agent, strong; Acid; Reducing agent, Alkali metals

Further information on storage conditions

- Keep away from: Frost, Heat, Protect from moisture.

7.3. Specific end use(s)

- No information available.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

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DNEL/DMEL values

CAS No	Substance		
DNEL type	Exposure route	Effect	Value
77-92-9	Citric acid		
68955-19-1	Sulfuric acid, mono-C12-18-alkyl esters, sodium salts		
Worker DNEL, long-term	dermal	systemic	4060 mg/kg bw/day
Worker DNEL, long-term	inhalation	systemic	285 mg/m ³
Consumer DNEL, long-term	dermal	systemic	2440 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	85 mg/m ³
Consumer DNEL, long-term	oral	systemic	24 mg/kg bw/day

PNEC values

CAS No	Substance	
Environmental compartment	Value	
77-92-9	Citric acid	
Freshwater	0,44 mg/l	
Marine water	0,044 mg/l	
Freshwater sediment	34,6 mg/kg	
Marine sediment	3,46 mg/kg	
Micro-organisms in sewage treatment plants (STP)	1000 mg/l	
Soil	33,1 mg/kg	
68955-19-1	Sulfuric acid, mono-C12-18-alkyl esters, sodium salts	
Freshwater	0,098 mg/l	
Freshwater (intermittent releases)	0,15 mg/l	
Marine water	0,0098 mg/l	
Freshwater sediment	3,45 mg/kg	
Marine sediment	0,345 mg/kg	
Micro-organisms in sewage treatment plants (STP)	6,8 mg/l	
Soil	0,631 mg/kg	

Additional advice on limit values

IF exposed: dust/mist

To follow: National regulations Occupational exposure limit values

8.2. Exposure controls
Appropriate engineering controls

Dust should be exhausted directly at the point of origin.

Provide adequate ventilation as well as local exhaustion at critical locations.

Individual protection measures, such as personal protective equipment
Eye/face protection

Tightly sealed safety glasses. DIN EN 166 goggles

Hand protection

Tested protective gloves must be worn: EN ISO 374

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working

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place concentration and quantity of hazardous substances.

Suitable material: NBR (Nitrile rubber)

Thickness of the glove material, Breakthrough times and swelling properties of the material must be taken into consideration.

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.

Observe the wear time limits as specified by the manufacturer.

Check leak tightness/impermeability prior to use.

Use protective skin cream before handling the product.

Skin protection

Protective clothing.

Respiratory protection

Respiratory protection necessary at: exceeding exposure limit values, dust formation

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Particle filter device (DIN EN 143)

Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190).

Thermal hazards

none

Environmental exposure controls

SECTION 6: Accidental release measures

Safe handling: see section 7

Clear spills immediately.

Do not allow to enter into soil/subsoil.

Do not allow to enter into surface water or drains.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state:	solid
Colour:	blue
Odour:	characteristic

Changes in the physical state

Melting point/freezing point: No data available

Boiling point or initial boiling point and boiling range: No data available

Flash point: No data available

Flammability

Solid/liquid: No data available

Gas: No data available

Explosive properties

May form combustible dust concentrations in air.

Lower explosion limits: No data available

Upper explosion limits: No data available

Auto-ignition temperature: No data available

Self-ignition temperature

Solid: No data available

Gas: No data available

Decomposition temperature: No data available

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Oxidizing properties

No data available

pH-Value:

6,1 (500 ml Water)

Water solubility:

very soluble

Solubility in other solvents

No data available

Partition coefficient n-octanol/water:

No data available

Density:

No data available

Bulk density:

No data available

Relative vapour density:

No data available

9.2. Other information**Information with regard to physical hazard classes**

Sustaining combustion:

No data available

Other safety characteristics

Solvent separation test:

No data available

Solvent content:

No data available

Solid content:

No data available

Evaporation rate:

No data available

Further Information**SECTION 10: Stability and reactivity****10.1. Reactivity**

Reaction with: Acid

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

Thermal decomposition (Exothermal decomposition energy)

Reaction with: Acid, Alkali (lye), Reducing agent

The product develops hydrogen in an aqueous solution in contact with metals.

May form combustible dust concentrations in air.

10.4. Conditions to avoid

Avoid dust formation.

Protect from sunlight.

10.5. Incompatible materialsAcid, Alkali (lye), Reducing agent, Oxidizing agent, Alkali metals, KNO₂, NaNO₂**10.6. Hazardous decomposition products**

Reference to other sections 5

SECTION 11: Toxicological information**11.1. Information on hazard classes as defined in GB CLP Regulation****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
77-92-9	Citric acid				
	oral	LD50 mg/kg 5400	Mouse	Study report (1981)	OECD Guideline 401
	dermal	LD50 mg/kg > 2000	Rat	Study report (2006)	OECD Guideline 402
68955-19-1	Sulfuric acid, mono-C12-18-alkyl esters, sodium salts				
	oral	LD50 mg/kg >4010	Rat		
	dermal	LD50 mg/kg >2000	Rat		
68439-50-9	Alcohols, C12-14, ethoxylated				
	oral	ATE mg/kg 500			

Irritation and corrosivity

Causes serious eye irritation.

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

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.

SECTION 12: Ecological information
12.1. Toxicity

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
77-92-9	Citric acid					
	Acute fish toxicity	LC50 > 100 mg/l	96 h	Pimephales promelas	Photogr. Sci. Eng. 16(5):370-377 (1972)	
	Acute crustacea toxicity	EC50 > 50 mg/l	48 h	other aquatic crustacea: Dreissena polymorpha	Environ.Toxicol.C hem. 16(9): 1930-1934 (other: ASTM
	Algae toxicity	NOEC 425 mg/l	8 d	Scenedesmus quadricauda	Water Research 14: 231-241 (1980)	other: Bringmann and Kuhn
68955-19-1	Sulfuric acid, mono-C12-18-alkyl esters, sodium salts					
	Acute fish toxicity	LC50 1,5 mg/l	96 h	Cyprinus carpio (Common Carp)		
	Acute algae toxicity	ErC50 20 mg/l				
	Acute crustacea toxicity	EC50 2,8 mg/l	48 h	Daphnia magna (Big water flea)		
	Fish toxicity	NOEC <1,357 mg/l				
	Algae toxicity	NOEC 7,9 mg/l				
	Crustacea toxicity	NOEC 0,419 mg/l				
68439-50-9	Alcohols, C12-14, ethoxylated					
	Acute fish toxicity	LC50 >1-10 mg/l	96 h			

12.2. Persistence and degradability

The surfactants contained in this mixture comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
77-92-9	Citric acid			
	OECD 301B	97%	28	
	Readily biodegradable (according to OECD criteria).			
68955-19-1	Sulfuric acid, mono-C12-18-alkyl esters, sodium salts			
		>70%	28	

12.3. Bioaccumulative potential

No further relevant information available.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
77-92-9	Citric acid	-1,55

BCF

CAS No	Chemical name	BCF	Species	Source
77-92-9	Citric acid	3,2		In: (2009)

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

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The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Endocrine disrupting properties

No data available

12.7. Other adverse effects

No data available

Further information

Water hazard class 1

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations**

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

Dispose of waste according to applicable legislation.

Hazardous waste according to Directive 2008/98/EC (waste framework directive).

List of Wastes Code - 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; hazardous waste

Contaminated packaging

Recycle sales packaging via DSD (Duales System Deutschland). Completely emptied packages can be recycled. Dispose of waste according to applicable legislation.

SECTION 14: Transport information**Land transport (ADR/RID)**

14.1. UN number: No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

14.1. UN number: No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1. UN number: No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

14.7. Maritime transport in bulk according to IMO instruments

No dangerous good in sense of this transport regulation.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

Additional information

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

Classification according to Regulation (EC) No 1272/2008 [CLP]

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Regulation (EC) No. 648/2004 (Detergents regulation)

National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D): 1 - slightly hazardous to water

Additional information

Germany
Wasch- und Reinigungsmittelgesetz
Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (AwSV)

TRGS 201, TRGS 400 ff., TRGS 500, TRGS 509, TRGS 510, TRGS 555, TRGS 900

15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:

Citric acid
Sulfuric acid, mono-C12-18-alkyl esters, sodium salts

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)
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer
(Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organization
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
CLP: Classification, labelling and Packaging
REACH: Registration, Evaluation and Authorization of Chemicals
GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals
UN: United Nations
CAS: Chemical Abstracts Service
DNEL: Derived No Effect Level
DMEL: Derived Minimal Effect Level
PNEC: Predicted No Effect Concentration
ATE: Acute toxicity estimate
LC50: Lethal concentration, 50%
LD50: Lethal dose, 50%
LL50: Lethal loading, 50%
EL50: Effect loading, 50%
EC50: Effective Concentration 50%
ErC50: Effective Concentration 50%, growth rate
NOEC: No Observed Effect Concentration
BCF: Bio-concentration factor
PBT: persistent, bioaccumulative, toxic
vPvB: very persistent, very bioaccumulative
MARPOL: International Convention for the Prevention of Marine Pollution from Ships
IBC: Intermediate Bulk Container
SVHC: Substance of Very High Concern
IUB: International Union of Biochemistry

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Classification for mixtures and used evaluation method according to GB CLP Regulation

Classification	Classification procedure
Eye Irrit. 2; H319	Calculation method

Relevant H and EUH statements (number and full text)

H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H412	Harmful to aquatic life with long lasting effects.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material. The information is based on the present level of our knowledge. It does not, however, give assurance 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.)