

# LAUFEN Descaling Tabs Navia

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

### 1.1. Product identifier

**Trade name**

LAUFEN Descaling Tabs Navia

**UFI code**

QFJY-W4SW-S513-0T69

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

**Relevant identified uses**

Descaler tab for private users.

**Not suitable for use in**

All other uses are discouraged.

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

**Supplier**

Laufen Bathrooms AG

Address

Wahlenstrasse 46

4242 Laufen

Switzerland

Telephone

+41 (0) 848 112 242

Email

forum@laufen.ch

Web site

www.laufen.ch

# LAUFEN Descaling Tabs Navia

**Other company**

LAUFEN CZ s.r.o.

## Address

Průmyslová 709/14  
669 02 Znojmo  
Czech Republic

## Telephone

+420 515 204 204

## Email

product.support@cz.laufen.com

## Web site

www.laufen.cz

**Email**

forum@laufen.ch

**1.4. Emergency telephone number**

05223 - 99 70 0

**Available outside office hours**

No

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture**Classification according to Regulation (EC) No 1272/2008**Classification**

Skin irritation, hazard category 2

Eye irritation, hazard category 2

Hazardous to the aquatic environment — Chronic hazard category 3

**Hazard statements**

H315, H319, H412

**2.2. Label elements**Labelling according to Regulation (EC) No 1272/2008**Hazard pictograms**

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**Signal word**

Warning

**Hazard statements**

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

**Precautionary statements**

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

P264 Wash hands thoroughly after handling.

P280.3 Wear eye 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, in accordance with local, regional, national and/or international regulation.

**2.3. Other hazards**

This mixture does not contain any substances that are classified as PBT or vPvB according to Article 57 / Annex XIII of the REACH regulation.

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

Chemical name	CAS No. EC No. REACH No. Index No.	Concentration	Classification	H-phrase M factor acute M factor chronic	Note
sulphamidic acid	5329-14-6 226-218-8 01-2119488633- 28-xxxx 016-026-00-0	70 - 90%	Skin Irrit. 2, Eye Irrit. 2, Aquatic Chronic 3	H315, H319, H412 - -	-
sodium carbonate	497-19-8 207-838-8 01-2119485498- 19-xxxx 011-005-00-2	5 - 15%	Eye Irrit. 2	H319 - -	-
adipic acid	124-04-9 204-673-3 01-2119457561- 38-xxxx 607-144-00-9	1 - 5%	Eye Irrit. 2	H319 - -	-

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## **Substance additional information**

For the complete text of H- / EUH-statements mentioned in this section, see section 16.

## **SECTION 4: First aid measures**

### **4.1. Description of first aid measures**

#### **Description of first aid measures**

First responders: Pay attention to self-protection.

#### **Inhalation**

Not applicable.

#### **Skin contact**

Wash off with soap and water. In the case of skin irritation or allergic reactions see a physician.

#### **Eye contact**

Call a physician immediately. In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

#### **Ingestion**

Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting. Consult a physician if necessary.

#### **Information for doctors**

Show this safety data sheet to the doctor in attendance. For specialist advice physicians should contact the Poisons Information Service.

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

Immediate effects can be expected after long-term exposure.

#### **Inhalation**

Not applicable.

#### **Skin contact**

Skin irritation

#### **Eye contact**

Eye irritation, cloudy / blurred field of vision, excessive lachrymation.

#### **Ingestion**

Nausea, vomiting, gastrointestinal discomfort.

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

Treat symptomatically.

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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Water spray, dry powder, foam, carbon dioxide (CO<sub>2</sub>). Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

#### Unsuitable extinguishing media

Do not use a solid water stream as it may scatter and spread fire.

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

Hazardous decomposition products formed under fire conditions.

### 5.3. Advice for firefighters

#### Special protective equipment for fire-fighters

In the event of fire, wear self contained breathing apparatus.

#### Measures in case of fire

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

## SECTION 6: Accidental release measures

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

Wear personal protective equipment. Avoid direct contact with the material / product.

### 6.2. Environmental precautions

Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.

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

Use mechanical handling equipment. Dispose of as hazardous waste in compliance with local and national regulations.

### 6.4. Reference to other sections

For information on storage and handling see section 7.

For information on exposure and personal protective equipment, see Section 8.

For information on incompatible materials, see Section 10.

For information on disposal see section 13.

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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Preventive handling precautions

Avoid direct contact with the material / product.

#### General hygiene

When using, do not eat, drink or smoke.

Wash hands before breaks and immediately after handling the product.

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

Store in a cool, dry place.

Storage class according to TRGS 510: 13 (non-combustible solids)

Suitable container and packaging materials for safe storage: store in original container.

Storage temperature: 10°C to 40°C

### 7.3. Specific end use(s)

See section Descaler tab

PC35 - Washing and cleaning products (including solvent based products)

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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### DNEL/DMEL

Product/Substance name (CAS No./EC No.)	Type	Exposure	Value	Population	Effects
sulphamidic acid (5329-14-6/226-218-8)	DNEL	Chronic (long term) Inhalation	70.5 mg/m <sup>3</sup>	Workers	Systemic
sulphamidic acid (5329-14-6/226-218-8)	DNEL	Chronic (long term) Dermal	10 mg/kg	Workers	Systemic
sulphamidic acid (5329-14-6/226-218-8)	DNEL	Chronic (long term) Oral	5 mg/kg	Consumers	Systemic
sodium carbonate (497-19-8/207-838-8)	DNEL	Chronic (long term) Inhalation	10 mg/m <sup>3</sup>	Workers	Local
adipic acid (124-04-9/204-673-3)	DNEL	Chronic (long term) Inhalation	74.1 mg/m <sup>3</sup>	Workers	Systemic
adipic acid (124-04-9/204-673-3)	DNEL	Chronic (long term) Dermal	21 mg/kg	Workers	Systemic
adipic acid (124-04-9/204-673-3)	DNEL	Chronic (long term) Oral	7.5 mg/kg	Consumers	Systemic

#### PNEC/PEC

Product/Substance name (CAS No./EC No.)	Type	Environmental compartment	Value
sulphamidic acid (5329-14-6/226-218-8)	PNEC	Freshwater	1.8 mg/l
sulphamidic acid (5329-14-6/226-218-8)	PNEC	Sewage Treatment Plant	20 mg/l
sulphamidic acid (5329-14-6/226-218-8)	PNEC	Sediment (freshwater)	8.36 mg/kg
sulphamidic acid (5329-14-6/226-218-8)	PNEC	Soil	5 mg/kg
adipic acid (124-04-9/204-673-3)	PNEC	Freshwater	126 µg/l
adipic acid (124-04-9/204-673-3)	PNEC	Sediment (freshwater)	474 µg/kg
adipic acid (124-04-9/204-673-3)	PNEC	Soil	0.0208 mg/kg

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## 8.2. Exposure controls

### Appropriate engineering controls

Not required.

### Eye / face protection

Chemical-resistant safety glasses with side protection conforming to EN166.

### Hand protection

Chemical-resistant protective gloves (EN 374)

### Other skin protection

This type of personal protective equipment is not necessary under normal and foreseeable use of the product.

### Respiratory protection

This type of personal protective equipment is not necessary under normal and foreseeable use of the product.

### Thermal hazards

Not applicable.

### Environmental exposure controls

No special environmental precautions required.

## SECTION 9: Physical and chemical properties

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

#### Physical state

Tablet

#### Colour

white

#### Odour

odorless

#### Melting point / freezing point

Not applicable.

#### Boiling point or initial boiling point and boiling range

Not applicable.

#### Flammability

Not applicable.

#### Lower and upper explosion limit

The product / mixture has no explosive properties.

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**Flash point**

No data available

**Auto-ignition temperature**

Not applicable.

**Decomposition temperature**

No data available

**pH**

1 - 2

**Method**

1 % aqueous solution

**Kinematic viscosity**

Not applicable.

**Viscosity, dynamic**

No information available

**Solubility**

Water soluble

**Water solubility**

completely soluble

**Partition coefficient n-octanol/water**

No information available

**Vapour pressure**

Not applicable.

**Density and/or relative density**

1100 - 1200 kg/m<sup>3</sup>

**Method**

Bulk density

**Relative density**

No information available

**Relative vapour density**

Not applicable.

**Evaporation Rate**

Not applicable.

**Explosive properties**

The product / mixture has no explosive properties.

**Oxidising properties**

The product / mixture has no oxidizing properties.

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**VOC %**

&lt; 3 %

**Particle characteristics**

This product / mixture does not contain any nanomaterials or nanoforms as defined in Regulation (EC) 1907/2006.

**9.2. Other information**

No data available

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

None under normal use.

**10.2. Chemical stability**

Stable at normal conditions

**10.3. Possibility of hazardous reactions**

None under normal use.

**10.4. Conditions to avoid**

Protect from moisture. Protect from frost, heat and sunlight.

**10.5. Incompatible materials**

Oxidizing agent , Strong acids , Strong bases

**10.6. Hazardous decomposition products**

For information on combustion products, see Section 5.

Hazardous decomposition products formed under fire conditions.

**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

Toxicology data for the components.

**Acute toxicity**

Product / Substance name CAS / EC no.	Dose descriptor	Value / Dose	Exposure route	Duration of exposure	Test animals	Method / Guideline	Remarks
sulphamidic	LD50	2.140 mg/kg	Oral	-	rat	-	ECHA

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Product / Substance name CAS / EC no.	Dose descriptor	Value / Dose	Exposure route	Duration of exposure	Test animals	Method / Guideline	Remarks
acid 5329-14-6 / 226-218-8							
sodium carbonate 497-19-8 / 207-838-8	LD50	2.800 mg/kg	Oral	-	rat	-	-
sodium carbonate 497-19-8 / 207-838-8	LD50	>2.000mg/kg	Dermal	-	rabbit	-	-
sodium carbonate 497-19-8 / 207-838-8	LC50	2.300 mg/m <sup>3</sup>	Inhalativ	2h	rat	-	-
adipic acid 124-04-9 / 204-673-3	LD50	5560 mg/kg	Oral	-	rat	OECD 401	ECHA
adipic acid 124-04-9 / 204-673-3	LC0	>7,7 mg/l	Inhalativ	4h	rat	OECD 403	ECHA

**Skin corrosion/irritation**

Skin irritation, hazard category 2

**Serious eye damage/irritation**

Eye irritation, hazard category 2

**Respiratory or skin sensitisation**

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

**Germ cell mutagenicity**

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

**Carcinogenicity**

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

**Reproductive toxicity**

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

**STOT-single exposure**

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

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**STOT-repeated exposure**

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

**Aspiration hazard**

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

**11.2. Information on other hazards****Endocrine disrupting properties**

The mixture / product does not contain any ingredients with endocrine disrupting properties in terms of regulations (EC) 1907/2006 and (EU) 2018/605 and the delegated regulation (EU) 2017/2100.

**SECTION 12: Ecological information****12.1. Toxicity****Toxicity**

Toxicology data for the components.

**Acute fish toxicity**

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline	Remark
sulphamic acid 5329-14-6 / 226-218-8	LC50	70,3 mg/l	96 h	Pimephales promelas	OECD 203	ECHA
sodium carbonate 497-19-8 / 207-838-8	LC50	300 mg/l	96h	Lepomis macrochirus	-	-
adipic acid 124-04-9 / 204-673-3	LC0	>1.000 mg/l	96h	Danio rerio	-	ECHA

**Acute algae toxicity**

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline	Remark
sulphamic acid 5329-14-6 / 226-218-8	ErC50	48 mg/l	72 h	Desmodesmus subspicatus	OECD 201	ECHA
adipic acid 124-04-9 / 204-673-3	ErC50	59 mg/l	72h	Pseudokirchneriella subcapitata	OECD 201	ECHA

**LAUFEN Descaling  
Tabs Navia****Acute crustacean toxicity**

Product / Sub- stance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline	Remark
sulphamidic acid 5329-14-6 / 226- 218-8	EC50	71,6 mg/l	48 h	Daphnia magna	OECD 202	ECHA
sodium carbon- ate 497-19-8 / 207- 838-8	EC50	200-227 mg/l	48h	Ceriodaphnia dubia	-	-
adipic acid 124-04-9 / 204- 673-3	LC50	46 mg/l	48h	Daphnia magna	OECD 202	ECHA

**12.2. Persistence and degradability**

No data available

**12.3. Bioaccumulative potential****Bioaccumulative potential**

No information available

**12.4. Mobility in soil****Mobility**

No information available

**12.5. Results of PBT and vPvB assessment**

This mixture does not contain any substances that are classified as PBT or vPvB according to Article 57 / Annex XIII of the REACH regulation.

**12.6. Endocrine disrupting properties**

The mixture / product does not contain any ingredients with endocrine disrupting properties in terms of regulations (EC) 1907/2006 and (EU) 2018/605 and the delegated regulation (EU) 2017/2100.

**12.7. Other adverse effects****Other adverse effects**

This product / mixture does not contain any substances within the meaning of Regulation (EC) No. 1005/2009 that deplete the ozone layer.

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

Dispose of as hazardous waste in compliance with local and national regulations.

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**Packaging**

Empty containers should be taken for local recycling, recovery or waste disposal.  
Contaminated packaging / sheets: Dispose of as unused product.

Waste code	Waste description
20 01 29*	detergents containing hazardous substances

Please note - an asterisk (\*) next to a code denotes that it is HAZARDOUS WASTE.

## SECTION 14: Transport information

**14.1. UN number**

UN 2967

**14.2. UN proper shipping name**

**ADR / RID / ADN proper shipping name**

SULPHAMIC ACID

**IMDG proper shipping name**

SULPHAMIC ACID

**14.3. Transport hazard class(es)**

**Label**

ADR/RID/ADN



8

**ADR / RID Class**

8

**ADR / RID Classification code**

C2

**ADR / RID hazard identification number**

80

**IMDG Class**

8

**IATA Class**

8

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**ADN Class**

8

**ADN Class Code**

C2

**14.4. Packing group**

III

**14.5. Environmental hazards****Environmental hazards**

The product contains the following substances that are hazardous to the environment:  
sulphamidic acid

**IMDG Marine Pollutant**

No

**14.6. Special precautions for user****Special precautions for user**

The usual precautionary measures when handling chemicals must be observed.

**IMDG EmS**

F-A, S-B

**14.7. Maritime transport in bulk according to IMO instruments**

Not applicable.

**Other****Additional information ADR-RID**

LQ: 5kg

EQ: E1

Transport category (tunnel restriction code): 3 (E)

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## SECTION 15: Regulatory information

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

#### EU regulations

Regulation (EC) No. 648/2004 (detergents)

Ingredients according to Annex VII: omitted

Regulation (EC) No. 1907/2006 (REACH)

Substances subject to authorization according to Annex XIV: No

Substance restrictions according to Annex XVII: No

Substances on the REACH candidate list (SVHC): No

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

Regulation (EU) No. 528/2012 (BPR)

Active ingredients: Not applicable.

Regulation (EU) 2019/1148 (explosives)

Restricted raw material according to Annex I: Not applicable.

Notifiable raw materials according to Annex II: Not applicable.

Directive 2011/65 / EU (ROHS 2)

Substance restrictions according to Annex II: Not applicable.

Regulation (EU) 2019/1021 (POP)

Persistent organic pollutants: No

Directive 2012/18/EU (Seveso III)

Seveso hazard category: Not applicable.

#### National regulations

In addition, comply with all national and local regulations for the handling of chemicals.

### 15.2. Chemical safety assessment

The mixture has not been subjected to a safety assessment.

## SECTION 16: Other information

#### Changes to previous revision

SECTION 1.1 : Addition UFI - Unique Formular Identifier

#### Abbreviations

ADN - European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR - The European Agreement concerning the International Carriage of Dangerous Goods by Road

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CAS - Chemical Abstract Service  
CLP - Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
DMEL - Derived Minimum Effect Level  
DNEL - Derived No Effect Level  
EC50 - Half maximal effective concentration 50%  
GHS - Globally Harmonized System of Classification and Labelling of Chemicals  
IATA - International Air Transport Association  
IMDG - International Maritime Dangerous Goods  
LC50 - Lethal concentration 50%  
LD50 - Lethal dosis 50 %  
MARPOL - International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978. ("Marpol" - marine pollution)  
PBT - Persistent, bioaccumulative and toxic substance  
PEC - Predicted Environmental Concentration  
PNEC - Predicted No Effect Concentration  
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals  
RID - The regulations concerning the International Carriage of Dangerous Goods by Rail  
SVHC - Substance of Very High Concern  
vPvB - Very persistent, very bioaccumulative substance

### **References to key literature and data sources**

REACH registration dossiers  
ECHA C&L - Inventory  
Safety data sheets from raw material suppliers

### **Evaluation methods for classification**

Classification for mixtures and used evaluation method according to Article 9 of regulation (EC) 1272/2008 [CLP]:  
Health hazards: calculation method  
Environmental hazards: calculation method

### **Phrase meaning**

Skin Irrit. 2 - Skin irritation, hazard category 2  
Eye Irrit. 2 - Eye irritation, hazard category 2  
Aquatic Chronic 3 - Hazardous to the aquatic environment — Chronic hazard category 3  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H412 Harmful to aquatic life with long lasting effects.

### **Additional information**

This safety data sheet is prepared in accordance with Commission Regulation (EU) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878.

### **Manufacturer's notes**

Legal disclaimer: The above information is believed to be correct. This company shall not be held liable for any damage resulting from handling or from contact with the above product.