

# Granit Tab F

Version number: 2  
Issued: 2021-09-29  
Replaces SDS: 2020-12-15



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

### 1.1. Product identifier

**Trade name**

Granit Tab F

**UFI code**

QQ9J-Q4P3-WT18-9QHR

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

**Relevant identified uses**

Special cleaning tablets for professional users.

**Not suitable for use in**

All other uses are discouraged.

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

**Supplier**

KLEEN PURGATIS GmbH

Street address

Dieselstraße 10  
32120 Hiddenhausen  
Germany

Telephone

+49 (0) 5223 9970-40

Email

info@kleen-purgatis.de

Fax

+49 (0) 5223 9970-195

Web site

<https://www.kleenpurgatis.de>

**Contact person**

Regulatory Affairs

**Email address**

info@budich.de

### 1.4. Emergency telephone number

+49 (0)551 - 19240 (GIZ-Nord)

**Available outside office hours**

Yes

# Granit Tab F

Version number: 2  
Issued: 2021-09-29  
Replaces SDS: 2020-12-15



## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

#### Hazard classes

Skin corrosion, hazard category 1A

#### Hazard statements

H314

### 2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

#### Hazard pictograms



#### Signal word

Danger

#### Hazard statements

H314 Causes severe skin burns and eye damage.

#### Precautionary statements

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

P280 Wear protective gloves/eye protection.

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 [or 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.

P501 Dispose of contents/container to hazardous or special waste collection point.

#### More information

Hazard components for labeling:

sodium hydroxide, disodium metasilicate

### 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.

# Granit Tab F

Version number: 2  
 Issued: 2021-09-29  
 Replaces SDS: 2020-12-15

## 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
sodium hydroxide	1310-73-2 215-185-5 01-2119457892-27-xxxx 011-002-00-6	50 - 60%	Skin Corr. 1A	H314 - -	Skin Corr. 1A; H314: C ≥ 5 % Skin Corr. 1B; H314: 2 % ≤ C < 5 % Skin Irrit. 2; H315: 0,5 % ≤ C < 2 % Eye Irrit. 2; H319: 0,5 % ≤ C < 2 %;
sodium carbonate	497-19-8 207-838-8 01-2119485498-19-xxxx 011-005-00-2	10 - 20%	Eye Irrit. 2	H319 - -	-
disodium metasilicate	6834-92-0 229-912-9 01-2119449811-37-xxxx 014-010-00-8	1 - 10%	Skin Corr. 1B, STOT SE 3 - resp. tract irrit.	H314, H335 - -	-

#### **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

First responders: Pay attention to self-protection.

#### **Inhalation**

Not applicable

#### **Skin contact**

In case of contact, immediately flush skin with soap and plenty of water. Consult a physician if necessary.

#### **Eye contact**

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

#### **Ingestion**

Do not induce vomiting. Drink water. Call physician immediately.

# Granit Tab F

Version number: 2  
Issued: 2021-09-29  
Replaces SDS: 2020-12-15



## **Information for doctors**

Show this safety data sheet to the doctor in attendance.

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

### **Inhalation**

Not applicable

### **Skin contact**

Redness. Skin corrosion/irritation.

### **Eye contact**

Causes eye burns.

### **Ingestion**

Causes burns. Redness.

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

Treat symptomatically. For specialist advice physicians should contact the Poisons Information Service.

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

#### **Suitable extinguishing media**

The product is not flammable. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water spray, extinguishing powder, foam or carbon dioxide.

#### **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.  
Corrosive.

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

#### **Special protective equipment for fire-fighters**

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

### **Other**

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. Ensure adequate ventilation, especially in confined areas.  
Evacuate unaffected personnel from the spill area.

# Granit Tab F

Version number: 2  
Issued: 2021-09-29  
Replaces SDS: 2020-12-15



## 6.2. Environmental precautions

Dam up. The product should not be allowed to enter drains, water courses or the soil.

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

Use mechanical handling equipment. Rinse with water.

## 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.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Preventive handling precautions

Wear personal protective equipment. Avoid direct contact with the material / product. Ensure adequate ventilation, especially in confined areas.

#### 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

Keep away from food, drink and animal feeding stuffs. Store in a place accessible by authorized persons only.

Storage class according to TRGS 510: 8B (non-flammable, corrosive hazardous substances)

Store in original container. Storage temperature: 10°C to 40°C

### 7.3. Specific end use(s)

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

See section 1.2: Special cleaning tablets

# Granit Tab F

Version number: 2  
 Issued: 2021-09-29  
 Replaces SDS: 2020-12-15

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### DNEL/DMEL

Product/Substance name (CAS No./EC No.)	Type	Exposure	Value	Population	Effects
disodium metasilicate (6834-92-0/229-912-9)	DNEL	Chronic (long term) Dermal	1.49 mg/kg	Workers	Systemic
disodium metasilicate (6834-92-0/229-912-9)	DNEL	Chronic (long term) Inhalation	6.22 mg/m <sup>3</sup>	Workers	Systemic
disodium metasilicate (6834-92-0/229-912-9)	DNEL	Chronic (long term) Dermal	0.74 mg/kg	Consumers	Systemic
disodium metasilicate (6834-92-0/229-912-9)	DNEL	Chronic (long term) Inhalation	1.55 mg/m <sup>3</sup>	Consumers	Systemic
disodium metasilicate (6834-92-0/229-912-9)	DNEL	Chronic (long term) Oral	0.74 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
sodium carbonate (497-19-8/207-838-8)	DNEL	Chronic (long term) Inhalation	10 mg/m <sup>3</sup>	Workers	Local
sodium hydroxide (1310-73-2/215-185-5)	DNEL	Chronic (long term) Inhalation	1 mg/m <sup>3</sup>	Workers	Local
sodium hydroxide (1310-73-2/215-185-5)	DNEL	Chronic (long term) Inhalation	1 mg/m <sup>3</sup>	Consumers	Local

#### PNEC/PEC

Product/Substance name (CAS No./EC No.)	Type	Environmental compartment	Value
disodium metasilicate (6834-92-0/229-912-9)	PNEC	Freshwater	7.5 mg/l

### 8.2. Exposure controls

#### Appropriate engineering controls

Not applicable

#### Eye / face protection

Chemical-resistant safety glasses with side protection (EN 166)

# Granit Tab F

Version number: 2  
Issued: 2021-09-29  
Replaces SDS: 2020-12-15



## **Hand protection**

Chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374. The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. The break through time depends amongst other things from the material, the thickness and the type of glove and therefore has to be measured for each case. The exact break through time can be obtained from the protective glove producer and this has to be observed.

## **Other skin protection**

Not applicable

## **Respiratory protection**

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

## **Thermal hazards**

Not applicable

## **SECTION 9: Physical and chemical properties**

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

#### **Physical state**

Solid

#### **Colour**

White

#### **Odour**

odourless

#### **Odour threshold**

Not determined for the mixture.

#### **Melting point / freezing point**

Not determined for the mixture.

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

Not determined for the mixture.

#### **Flammability**

Not applicable.

#### **Lower and upper explosion limit**

Not applicable.

#### **Flash point**

No data available

#### **Auto-ignition temperature**

Not determined for the mixture.

# Granit Tab F

Version number: 2  
Issued: 2021-09-29  
Replaces SDS: 2020-12-15



## **Decomposition temperature**

Not determined for the mixture.

## **pH**

13

## **Method**

1 % aqueous solution

## **Kinematic viscosity**

Not determined for the mixture.

## **Viscosity, dynamic**

Not determined for the mixture.

## **Solubility**

No data available

## **Water solubility**

miscible

## **Partition coefficient n-octanol/water**

Not determined for the mixture.

## **Vapour pressure**

Not determined for the mixture.

## **Density and/or relative density**

No data available

## **Relative vapour density**

Not determined for the mixture.

## **Evaporation Rate**

Not determined for the mixture.

## **Explosive properties**

The product / mixture has no explosive properties.

## **Oxidising properties**

The product / mixture has no oxidizing properties.

## **9.2. Other information**

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

## **SECTION 10: Stability and reactivity**

### **10.1. Reactivity**

Stable at normal conditions



# Granit Tab F

Version number: 2  
 Issued: 2021-09-29  
 Replaces SDS: 2020-12-15

**10.2. Chemical stability**

The product is chemically stable.

**10.3. Possibility of hazardous reactions**

None under normal use.

**10.4. Conditions to avoid**

Protect from frost, heat and sunlight.

**10.5. Incompatible materials**

strong acids

**10.6. Hazardous decomposition products**

For information on combustion products, see Section 5.

**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**

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

Product / Substance name CAS / EC no.	Dose descriptor	Value / Dose	Exposure route	Duration of exposure	Test animals
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
disodium metasilicate 6834-92-0 / 229-912-9	LD50	1.150 - 1.350mg/kg 770 - 820 mg/kg	Oral	-	rat mouse

**Skin corrosion/irritation**

Skin corrosion, hazard category 1A

**Serious eye damage/irritation**

Causes serious eye damage.

**Germ cell mutagenicity**

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

# Granit Tab F

Version number: 2  
 Issued: 2021-09-29  
 Replaces SDS: 2020-12-15

**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.

**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****Acute fish toxicity**

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species
disodium metasilicate 6834-92-0 / 229-912-9	LC50	210 mg/l	96h	Brachydanio rerio (zebra fish)
sodium carbonate 497-19-8 / 207-838-8	LC50	300 mg/l	96h	Lepomis macrochirus

**Acute algae toxicity**

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species
disodium metasilicate 6834-92-0 / 229-912-9	EC50	207 mg/l	72h	Chlorella pyrenoidosa (Alge)

# Granit Tab F

Version number: 2  
 Issued: 2021-09-29  
 Replaces SDS: 2020-12-15

## Acute crustacean toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Remark
disodium metasilicate 6834-92-0 / 229-912-9	EC50	1.700 mg/l	48h	Daphnia magna (Water flea)	-
sodium carbonate 497-19-8 / 207-838-8	EC50	200-227 mg/l	48h	Ceriodaphnia dubia	-
sodium hydroxide 1310-73-2 / 215-185-5	EC50	40,4 mg/l	48 h	Ceriodaphnia dubia (Wasserfloh)	ECHA

## Micro-/macro organism toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species
disodium metasilicate 6834-92-0 / 229-912-9	EC50	>100 mg/l	3h	Bacteria (activated sludge)

### 12.2. Persistence and degradability

#### Persistence and degradability

No information available

#### Decay/transformation

No information available

### 12.3. Bioaccumulative potential

No data 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.

# Granit Tab F

Version number: 2  
 Issued: 2021-09-29  
 Replaces SDS: 2020-12-15



## 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.

#### Packaging

Do not re-use empty containers. Empty containers should be taken for local recycling, recovery or waste disposal. Contaminated packaging: Dispose of as unused product.

Waste code	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 3262

### 14.2. UN proper shipping name

CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (sodium hydroxide, disodium metasilicate)

#### IMDG proper shipping name

CORROSIVE SOLID, BASIC, INORGANIC, N.O.S (sodium hydroxide, disodium metasilicate).

### 14.3. Transport hazard class(es)

#### Label



8

#### ADR / RID Class

8

#### ADR / RID Classification code

C6

#### ADR / RID hazard identification number

80

According to Regulation (EC) No 1907/2006

# Granit Tab F

Version number: 2  
Issued: 2021-09-29  
Replaces SDS: 2020-12-15



KLEEN  
PURGATIS

**IMDG Class**

8

**IATA Class**

8

**ADN Class**

8

**ADN Class Code**

C6

**14.4. Packing group**

II

**14.5. Environmental hazards**

**IMDG Marine Pollutant**

No

**14.6. Special precautions for user**

Handle in accordance with good industrial hygiene and safety practice.

**Tunnel restriction**

E

**Special Provisions**

-

**LQ**

LQ: 1kg

EQ: E2

**Transport category**

2

**Mixed packing regulation**

MP10

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

Not applicable.

**Other**

No data available

# Granit Tab F

Version number: 2  
Issued: 2021-09-29  
Replaces SDS: 2020-12-15



## 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: 5-15% polycarboxylates.

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

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 (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: not applicable

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.

#### Other regulations, limitations and legal regulations

Take note of Dir 94/33/EC on the protection of young people at work.

### 15.2. Chemical safety assessment

The mixture has not been subjected to a safety assessment.

## SECTION 16: Other information

#### Changes to previous revision

Adaptation to the amending regulation (EU) 2020/878

# Granit Tab F

Version number: 2  
Issued: 2021-09-29  
Replaces SDS: 2020-12-15



## **Abbreviations**

ADN - Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure  
ADR - Accord relatif au transport international des marchandises Dangereuses par Route  
CAS - Chemical Abstract Service  
CLP - Classification, Labelling and Packaging  
DMEL - Derived Minimum Effect Level  
DNEL - Derived no effect level  
EC50 - Half maximal effective concentration 50%  
GHS - Globally Harmonised System  
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  
PBT - Persistent, bioaccumulative and toxic substance  
PEC - Predicted Environmental Concentration  
PNEC - predicted no effect concentration  
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals  
RID - Reglement concernant le transport international ferroviaire de marchandises Dangereuses  
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 Corr. 1B - Skin corrosion, hazard category 1B  
STOT SE 3 - resp. tract irrit. - Specific Target Organ Toxicity — Single exposure, hazard category 3 - respiratory tract irritation  
Eye Irrit. 2 - Eye irritation, hazard category 2  
Skin Corr. 1A - Skin corrosion, hazard category 1A  
H314 Causes severe skin burns and eye damage.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.

## **Other**

### **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.

According to Regulation (EC) No 1907/2006

# Granit Tab F

Version number: 2  
Issued: 2021-09-29  
Replaces SDS: 2020-12-15



## **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.