

## Safety Data Sheet

according to UK REACH Regulation

### SANIT KalkGranate® Descaler

Revision date: 22.06.2023

Product code: 3008

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

### 1.1. Product identifier

SANIT KalkGranate® Descaler

UFI: 38A8-M0Y6-G00H-KX4R

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

#### Use of the substance/mixture

Cleaning agent, acidic.

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

|                 |                                   |                           |
|-----------------|-----------------------------------|---------------------------|
| Company name:   | SANIT-Chemie                      |                           |
|                 | Reinigungsmittel und -geräte GmbH |                           |
| Street:         | Dieselstr. 38                     |                           |
| Place:          | D-74211 Leingarten                |                           |
| Telephone:      | +49 7131 902100                   | Telefax: +49 7131 404360  |
| E-mail:         | info@sanit-chemie.de              |                           |
| Contact person: | Produktmanagement                 | Telephone: 07131 90210-20 |
| Internet:       | www.sanit-chemie.de               |                           |

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### GB CLP Regulation

Skin Corr. 1; H314  
Eye Dam. 1; H318

Full text of hazard statements: see SECTION 16.

### 2.2. Label elements

#### GB CLP Regulation

#### Hazard components for labelling

Sulphamic acid, sulphamidic acid

Signal word: Danger

#### Pictograms:



#### Hazard statements

H314 Causes severe skin burns and eye damage.

#### Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
P264 Wash Hände thoroughly after handling.  
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.  
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.

### 2.3. Other hazards

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The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, Annex XIII.  
Endocrine-disrupting potential: not listed.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous components

| CAS No    | Chemical name  |              |                  | Quantity    |
|-----------|--|--------------|------------------|-------------|
|           | EC No  | Index No     | REACH No         |             |
|           | Classification (GB CLP Regulation)                             |              |                  |             |
| 5329-14-6 | Sulphamic acid, sulphamidic acid                               |              |                  | 15 - < 20 % |
|           | 226-218-8  | 016-026-00-0 | 01-2119488633-28 |             |
|           | Skin Irrit. 2, Eye Irrit. 2, Aquatic Chronic 3; H315 H319 H412 |              |                  |             |

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 |             |
| 5329-14-6 | 226-218-8   | Sulphamic acid, sulphamidic acid         | 15 - < 20 % |
|           | dermal: LD50 = >2000 mg/kg; oral: LD50 = 2140 mg/kg |  |             |

## 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. Remove contaminated, saturated clothing immediately.

#### After inhalation

Provide fresh air. Medical treatment necessary. Move victim to fresh air. Put victim at rest and keep warm.

#### After contact with skin

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

#### 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. If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist.

#### After ingestion

Observe risk of aspiration if vomiting occurs. Rinse mouth immediately and drink 1 glass of water. Adverse human health effects and symptoms: Gastric perforation. Call a physician immediately. Do not allow a neutralisation agent to be drunk. Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting.

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

No information available.

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

Treat symptomatically. Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

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#### Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings. Water. Foam. Extinguishing powder. Carbon dioxide (CO<sub>2</sub>).

#### Unsuitable extinguishing media

High power water jet.

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

Non-flammable.

#### 5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit. In case of fire and/or explosion do not breathe fumes.

#### 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

##### General advice

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. Clean contaminated articles and floor according to the environmental legislation.

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

##### For cleaning up

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

##### Other information

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

#### 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. Keep container tightly closed in a cool, well-ventilated place. Wear personal protection equipment. Provide adequate ventilation as well as local exhaustion at critical locations.

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

No special fire protection measures are necessary.

##### Advice on general occupational hygiene

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, drink, smoke, sniff. 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

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not eat or drink.

#### 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 exhaust at critical locations. Store only in original container.

##### Hints on joint storage

No special measures are necessary.

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

Cleaning agent, acidic.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### DNEL/DMEL values

| CAS No                   | Substance                        | Exposure route | Effect   | Value                  |
|--------------------------|----------------------------------|----------------|----------|------------------------|
| 5329-14-6                | Sulphamic acid, sulphamidic acid |                |          |                        |
| Worker DNEL, long-term   |                                  | inhalation     | systemic | 70,5 mg/m <sup>3</sup> |
| Worker DNEL, long-term   |                                  | dermal         | systemic | 10 mg/kg bw/day        |
| Consumer DNEL, long-term |                                  | inhalation     | systemic | 17,4 mg/m <sup>3</sup> |
| Consumer DNEL, long-term |                                  | dermal         | systemic | 5 mg/kg bw/day         |
| Consumer DNEL, long-term |                                  | oral           | systemic | 5 mg/kg bw/day         |

#### PNEC values

| CAS No              | Substance                        | Value      |
|---------------------|----------------------------------|------------|
| 5329-14-6           | Sulphamic acid, sulphamidic acid |            |
| Freshwater          |                                  | 1,8 mg/l   |
| Marine water        |                                  | 0,18 mg/l  |
| Freshwater sediment |                                  | 8,36 mg/l  |
| Marine sediment     |                                  | 0,84 mg/kg |
| Soil                |                                  | 5 mg/kg    |

### 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.

#### Individual protection measures, such as personal protective equipment

##### Eye/face protection

Suitable eye protection: goggles.

##### Hand protection

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

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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. 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. Before using check leak tightness / impermeability. Breakthrough times and swelling properties of the material must be taken into consideration. Suitable material: Butyl rubber. penetration time (maximum wearing period): 8h  
 CR (polychloroprenes, Chloroprene rubber). penetration time (maximum wearing period): 8h  
 FKM (fluororubber).

#### Skin protection

Use of 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             |
| Melting point/freezing point:                             | 0 °C                   |
| Boiling point or initial boiling point and boiling range: | 100 °C                 |
| Flammability:   | not determined         |
| Lower explosion limits:                                   | not determined         |
| Upper explosion limits:                                   | not determined         |
| Flash point:  | not applicable         |
| Auto-ignition temperature:                                | not determined         |
| Decomposition temperature:                                | not determined         |
| pH-Value (at 0 °C):                                       | 1                      |
| Viscosity / kinematic:                                    | not determined         |
| Water solubility:   | completely miscible    |
| Solubility in other solvents                              | not determined         |
| Partition coefficient n-octanol/water:                    | not determined         |
| Vapour pressure:  | not determined         |
| Density:  | 1,08 g/cm <sup>3</sup> |
| Relative vapour density:                                  | not determined         |
| Particle characteristics:                                 | not applicable         |

### 9.2. Other information

#### Information with regard to physical hazard classes

##### Explosive properties

The product is not: Explosive.

##### Oxidizing properties

The product is not: oxidising.

#### Other safety characteristics

|                   |                |
|-------------------|----------------|
| Evaporation rate: | not determined |
| Solid content:    | not determined |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Possibility of hazardous reactions.

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**10.2. Chemical stability**

The product is stable under storage at normal ambient temperatures.

**10.3. Possibility of hazardous reactions**

Exothermic reaction with: Base, Peroxides, Oxidizing agent. Oxidizing agents, strong.

**10.4. Conditions to avoid**

none

**10.5. Incompatible materials**

Keep away from: Base, Oxidizing agent, Peroxides. Slowly corrodes aluminium and zink under hydrogen evolution.

**10.6. Hazardous decomposition products**

Gases/vapours, toxic.

**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.

**ATEmix calculated**

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

| CAS No    | Chemical name                    |                  |         |        |                      |
|-----------|----------------------------------|------------------|---------|--------|----------------------|
|           | Exposure route                   | Dose             | Species | Source | Method               |
| 5329-14-6 | Sulphamic acid, sulphamidic acid |                  |         |        |                      |
|           | oral                             | LD50 2140 mg/kg  | Ratte   | ECHA   | ähnlich wie OECD 401 |
|           | dermal                           | LD50 >2000 mg/kg | Ratte   | ECHA   | OECD 402             |

**Irritation and corrosivity**

Causes severe skin burns and eye damage. (On basis of test data)

Causes serious eye damage. (On basis of test data)

**Sensitising effects**

Based on available data, the classification criteria are not met.  
no danger of sensitization.

**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.

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

information on endocrine-disrupting properties on human health is not available.

**Other information**

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

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

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

| CAS No    | Chemical name                    |                |           |                     |        |          |
|-----------|----------------------------------|----------------|-----------|---------------------|--------|----------|
|           | Aquatic toxicity                 | Dose           | [h]   [d] | Species             | Source | Method   |
| 5329-14-6 | Sulphamic acid, sulphamidic acid |                |           |                     |        |          |
|           | Acute fish toxicity              | LC50 70,3 mg/l | 96 h      | Pimephales promelas | ECHA   | OECD 203 |
|           | Acute algae toxicity             | ErC50 48 mg/l  | 72 h      | Alge                | ECHA   | OECD 201 |
|           | Acute crustacea toxicity         | EC50 71,6 mg/l | 48 h      | Daphnia magna       | ECHA   | OECD 202 |
|           | Fish toxicity                    | NOEC >60 mg/l  | 20 d      | Danio Rerio         | ECHA   | OECD 210 |
|           | Crustacea toxicity               | NOEC 19 mg/l   | 21 d      | Daphnia Magna       | ECHA   | OECD 211 |

**12.2. Persistence and degradability**

The product has not been tested.

**12.3. Bioaccumulative potential**

The product has not been tested.

**12.4. Mobility in soil**

The product has not been tested.

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

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

The product has not been tested.

**12.6. Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

**12.7. Other adverse effects**

No information available.

**Further information**

Avoid release to the environment.

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

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

**Contaminated packaging**

Wash with plenty of water. Completely emptied packages can be recycled.

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

|  |   |
|--|---|
| <b>14.1. UN number or ID number:</b>     | UN3264  |
| <b>14.2. UN proper shipping name:</b>    | CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (sulfamic acid) |
| <b>14.3. Transport hazard class(es):</b> | 8   |
| <b>14.4. Packing group:</b>              | III   |
| Hazard label:                            | 8   |

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|                          |     |
|--------------------------|-----|
| Classification code:     | C1  |
| Special Provisions:      | 274 |
| Limited quantity:        | 5 L |
| Transport category:      | 3   |
| Hazard No:               | 80  |
| Tunnel restriction code: | E   |

#### Other applicable information (land transport)

E1

#### 14.6. Special precautions for user

Warning: strongly corrosive.

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

not applicable

### SECTION 15: Regulatory information

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

##### EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 75

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

##### Additional information

Regulation (EC) No. 648/2004 (Detergents regulation). To follow: 850/2004/EC, 79/117/EEC, 689/2008/EC

##### 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

#### 15.2. Chemical safety assessment

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

### SECTION 16: Other information

#### Changes

This data sheet contains changes from the previous version in section(s): 2,4,5,6,7,8,9,10,11,12,14,15,16.



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#### 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%

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

DNEL: Derived No Effect Level

DMEL: Derived Minimal Effect Level

PNEC: Predicted No Effect Concentration

ATE: Acute toxicity estimate

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

RID: Regulations concerning the international carriage of dangerous goods by rail

MARPOL: International Convention for the Prevention of Marine Pollution from Ships

IBC: Intermediate Bulk Container

SVHC: Substance of Very High Concern

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

Skin Irrit: Skin irritation

Skin Corr: Skin corrosion

Eye Dam: Eye damage

Eye Irrit: Eye irritation

Aquatic Chronic: Chronic aquatic hazard

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

| Classification     | Classification procedure |
|--------------------|--------------------------|
| Skin Corr. 1; H314 | On basis of test data    |
| Eye Dam. 1; H318   | On basis of test data    |

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

|      |  |
|------|--|
| H314 | Causes severe skin burns and eye damage.           |
| H315 | Causes skin irritation.                            |
| H318 | Causes serious eye damage.                         |
| H319 | Causes serious eye irritation.                     |
| H412 | Harmful to aquatic life with long lasting effects. |

#### Further Information

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

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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.)*