

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Mutterlösung zur Kalibrierung von Nitrat-Meßgeräten 1 ml Mutterlösung enthält 5 mg NO<sub>3</sub>-N

Revision date: 25.06.2024

Product code: 04729

Page 1 of 11

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

### 1.1. Product identifier

Mutterlösung zur Kalibrierung von Nitrat-Meßgeräten 1 ml Mutterlösung enthält 5 mg NO<sub>3</sub>-N

UFI: 113E-P0UA-S00A-0H79

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

#### Use of the substance/mixture

Laboratory chemicals

Industrial uses: Uses of substances as such or in preparations at industrial sites

Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

#### Uses advised against

Do not use for private purposes (household).

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

Company name: AnalytiChem GmbH  
ACD  
Street: Stempelstraße 6  
Place: D-47167 Duisburg  
Telephone: 0203/5194-0  
Telefax: 0203/5194-290  
E-mail: info@analytichem.de  
Contact person: Abteilung Produktsicherheit  
Telephone: 0203/5194-107/117  
E-mail: produktsicherheit@analytichem.de  
Internet: www.analytichem.de  
Responsible Department: Abteilung Produktsicherheit

### 1.4. Emergency telephone number:

For Hazardous Materials [or Dangerous Goods] Incidents Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Day or Night Within USA and Canada: 1-800-424-9300 Outside USA and Canada: +1 703-741-5970 (collect calls accepted)

### Further Information

This product is a mixture. REACH Registration Number see section 3.

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Regulation (EC) No 1272/2008

Repr. 1B; H360FD

Full text of hazard statements: see SECTION 16.

### 2.2. Label elements

#### Regulation (EC) No 1272/2008

#### Hazard components for labelling

boric acid

Signal word: Danger

Pictograms:



#### Hazard statements

H360FD

May damage fertility. May damage the unborn child.

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Mutterlösung zur Kalibrierung von Nitrat-Meßgeräten 1 ml Mutterlösung enthält 5 mg NO<sub>3</sub>-N**

Revision date: 25.06.2024

Product code: 04729

Page 2 of 11

**Precautionary statements**

- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
- P308+P313 IF exposed or concerned: Get medical advice/attention.
- P405 Store locked up.
- P501 Dispose of contents/container to Dispose of contents/container in accordance with local/regional/national/international regulations..

**Special labelling of certain mixtures**

Restricted to professional users.

**2.3. Other hazards**

No data available

**SECTION 3: Composition/information on ingredients**

**3.2. Mixtures**

**Chemical characterization**

Mixtures in aqueous solution

**Relevant ingredients**

| CAS No     | Chemical name                                 |              |                  | Quantity  |
|------------|---|--------------|------------------|-----------|
|            | EC No   | Index No     | REACH No         |           |
|            | Classification (Regulation (EC) No 1272/2008) |              |                  |           |
| 7631-99-4  | sodium nitrate                                |              |                  | 1 - < 5 % |
|            | 231-554-3                                     |              | 01-2119488221-41 |           |
|            | Ox. Sol. 3, Eye Irrit. 2; H272 H319           |              |                  |           |
| 10043-35-3 | boric acid                                    |              |                  | 1 - < 5 % |
|            | 233-139-2                                     | 005-007-00-2 | 01-2119486683-25 |           |
|            | Repr. 1B; H360FD                              |              |                  |           |

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  |                |           |
| 7631-99-4  | 231-554-3   | sodium nitrate | 1 - < 5 % |
|            | dermal: LD50 = > 5000 mg/kg; oral: LD50 = ca. 3430 mg/kg  |                |           |
| 10043-35-3 | 233-139-2   | boric acid     | 1 - < 5 % |
|            | inhalation: LC50 = > 2,12 mg/l (dusts or mists); dermal: LD50 = > 2000 mg/kg; oral: LD50 = 3450 mg/kg |                |           |

**Further Information**

No data available

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

**General information**

No data available

**After inhalation**

Provide fresh air.

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Mutterlösung zur Kalibrierung von Nitrat-Meßgeräten 1 ml Mutterlösung enthält 5 mg NO<sub>3</sub>-N

Revision date: 25.06.2024

Product code: 04729

Page 3 of 11

#### After contact with skin

Wash immediately with: Water  
Take off immediately all contaminated clothing and wash it before reuse.

#### 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.

#### After ingestion

Rinse mouth immediately and drink plenty of water.  
Call a physician immediately.

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

No data available

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

No data available

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.

##### Unsuitable extinguishing media

no restriction

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

Non-combustible liquids

#### 5.3. Advice for firefighters

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

#### Additional information

Use water spray jet to protect personnel and to cool endangered containers.  
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

Do not breathe vapour/aerosol.

##### For non-emergency personnel

Provide adequate ventilation.  
Use personal protection equipment.  
Avoid contact with skin, eyes and clothes.  
Remove persons to safety.  
Emergency procedures  
Consult an expert  
Do not breathe dust/fume/gas/mist/vapours/spray.

##### For emergency responders

Precautionary statements For emergency responders : Personal protection equipment: see section 8

#### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

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

##### For containment

Cover drains.  
Prevent spread over a wide area (e.g. by containment or oil barriers).  
Collect in closed and suitable containers for disposal.

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Mutterlösung zur Kalibrierung von Nitrat-Meßgeräten 1 ml Mutterlösung enthält 5 mg NO<sub>3</sub>-N**

Revision date: 25.06.2024

Product code: 04729

Page 4 of 11

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

**For cleaning up**

Clean contaminated articles and floor according to the environmental legislation.

**Other information**

Provide adequate ventilation.

Do not breathe dust/fume/gas/mist/vapours/spray.

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

**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**

Handle and open container with care.

Do not breathe vapour/aerosol.

Avoid contact with skin, eyes and clothes.

**Advice on protection against fire and explosion**

Usual measures for fire prevention.

**Advice on general occupational hygiene**

Wash contaminated clothing prior to re-use.

Do not breathe vapour/aerosol.

Avoid contact with skin, eyes and clothes.

**Further information on handling**

Wash contaminated clothing before reuse.

Wash hands before breaks and after work.

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

**Requirements for storage rooms and vessels**

Keep container tightly closed.

Store in a place accessible by authorized persons only.

**Further information on storage conditions**

Store in a dry place.

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

Laboratory chemicals

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

**Occupational exposure limits**

| CAS No     | Substance                              | ppm | mg/m <sup>3</sup> | fib/cm <sup>3</sup> | Category  | Origin |
|------------|--|-----|-------------------|---------------------|-----------|--------|
| 10043-35-3 | Borate compounds inorganic: boric acid | -   | 2                 |                     | TWA (8 h) |        |

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Mutterlösung zur Kalibrierung von Nitrat-Meßgeräten 1 ml Mutterlösung enthält 5 mg NO<sub>3</sub>-N**

Revision date: 25.06.2024

Product code: 04729

Page 5 of 11

**DNEL/DMEL values**

| CAS No                   | Substance  | Exposure route | Effect   | Value                  |
|--------------------------|------------|----------------|----------|------------------------|
| 10043-35-3               | boric acid |                |          |                        |
| Worker DNEL, long-term   |            | inhalation     | systemic | 8,3 mg/m <sup>3</sup>  |
| Worker DNEL, long-term   |            | dermal         | systemic | 392 mg/kg bw/day       |
| Consumer DNEL, long-term |            | inhalation     | systemic | 4,15 mg/m <sup>3</sup> |
| Consumer DNEL, long-term |            | dermal         | systemic | 196 mg/kg bw/day       |
| Consumer DNEL, long-term |            | oral           | systemic | 0,98 mg/kg bw/day      |
| Consumer DNEL, acute     |            | oral           | systemic | 0,98 mg/kg bw/day      |

**PNEC values**

| CAS No   | Substance      | Value     |
|--|----------------|-----------|
| 7631-99-4  | sodium nitrate |           |
| Micro-organisms in sewage treatment plants (STP) |                | 18 mg/l   |
| 10043-35-3                                       | boric acid     |           |
| Freshwater                                       |                | 2,9 mg/l  |
| Freshwater (intermittent releases)               |                | 13,7 mg/l |
| Marine water                                     |                | 2,9 mg/l  |
| Micro-organisms in sewage treatment plants (STP) |                | 10 mg/l   |
| Soil   |                | 5,7 mg/kg |

**8.2. Exposure controls**

**Appropriate engineering controls**

Technical measures and the application of suitable work processes have priority over personal protection equipment.

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

**Eye/face protection**

goggles

**Hand protection**

Protective gloves are recommended Company KCL GmbH, D-36124 Eichenzell, email: [vertrieb@kcl.de](mailto:vertrieb@kcl.de) With specification (test according to EN374):

By long-term hand contact

Recommended glove articles: KCL 741 Dermatril® L  
Recommended material: NBR (Nitrile rubber) 0,11mm  
Wearing time with permanent contact: >480min

By short-term hand contact

Recommended glove articles: KCL 741 Dermatril® L  
Recommended material: NBR (Nitrile rubber) 0,11mm  
Wearing time with occasional contact (splashes): >480min

The breakthrough times stated above were determined by KCL in laboratory tests acc. to EN374 with samples of the recommended glove types. This recommendation applies only to the product stated in the safety data sheet (>, <)> supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Mutterlösung zur Kalibrierung von Nitrat-Meßgeräten 1 ml Mutterlösung enthält 5 mg NO<sub>3</sub>-N

Revision date: 25.06.2024

Product code: 04729

Page 6 of 11

(e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de).

#### Skin protection

Wear suitable protective clothing.  
Wash hands before breaks and after work.

#### Respiratory protection

Respiratory protection necessary at: aerosol or mist formation

#### Thermal hazards

No data available

#### Environmental exposure controls

Do not empty into drains.

## SECTION 9: Physical and chemical properties

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

|   |                   |                          |
|---|-------------------|--------------------------|
| Physical state:   | Liquid            |                          |
| Colour:   | colourless        |                          |
| Odour:  | odourless         |                          |
| Odour threshold:  | No data available |                          |
| Melting point/freezing point:                             |                   | No data available        |
| Boiling point or initial boiling point and boiling range: |                   | No data available        |
| Flammability:   |                   | No data available        |
| Lower explosion limits:                                   |                   | No data available        |
| Upper explosion limits:                                   |                   | No data available        |
| Flash point:  |                   | No data available        |
| Auto-ignition temperature:                                |                   | No data available        |
| Decomposition temperature:                                |                   | No data available        |
| pH-Value:   |                   | 3,8-6,8                  |
| Viscosity / kinematic:                                    |                   | No data available        |
| Water solubility:   |                   | No data available        |
| Solubility in other solvents                              |                   |                          |
| No data available   |                   |                          |
| Dissolution rate:   |                   | No data available        |
| Partition coefficient n-octanol/water:                    |                   | No data available        |
| Dispersion stability:                                     |                   | No data available        |
| Vapour pressure:  |                   | No data available        |
| Vapour pressure:  |                   | No data available        |
| Density:  |                   | 1,0245 g/cm <sup>3</sup> |
| Relative density:   |                   | No data available        |
| Bulk density:   |                   | No data available        |
| Relative vapour density:                                  |                   | No data available        |
| Particle characteristics:                                 |                   | No data available        |

### 9.2. Other information

#### Information with regard to physical hazard classes

|                           |                   |
|---------------------------|-------------------|
| Explosive properties      |                   |
| No data available         |                   |
| Sustaining combustion:    | No data available |
| Self-ignition temperature |                   |
| Solid:                    | No data available |
| Gas:                      | No data available |
| Oxidizing properties      |                   |
| No data available         |                   |

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Mutterlösung zur Kalibrierung von Nitrat-Meßgeräten 1 ml Mutterlösung enthält 5 mg NO<sub>3</sub>-N

Revision date: 25.06.2024

Product code: 04729

Page 7 of 11

#### Other safety characteristics

|                          |                   |
|--------------------------|-------------------|
| Evaporation rate:        | No data available |
| Solvent separation test: | No data available |
| Solvent content:         | 0                 |
| Solid content:           | 0                 |
| Sublimation point:       | No data available |
| Softening point:         | No data available |
| Pour point:              | No data available |
| No data available:       |                   |
| Viscosity / dynamic:     | No data available |
| Flow time:               | No data available |

#### Further Information

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No data available

### 10.2. Chemical stability

No data available

### 10.3. Possibility of hazardous reactions

No data available

### 10.4. Conditions to avoid

No data available

### 10.5. Incompatible materials

No data available

### 10.6. Hazardous decomposition products

No data available

#### Further information

No data available

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Toxicokinetics, metabolism and distribution

There are no data available on the mixture itself.

#### 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

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Mutterlösung zur Kalibrierung von Nitrat-Meßgeräten 1 ml Mutterlösung enthält 5 mg NO<sub>3</sub>-N**

Revision date: 25.06.2024

Product code: 04729

Page 8 of 11

| CAS No     | Chemical name                 |               |          |        |   |
|------------|-------------------------------|---------------|----------|--------|---|
|            | Exposure route                | Dose          | Species  | Source | Method  |
| 7631-99-4  | sodium nitrate                |               |          |        |   |
|            | oral                          | LD50<br>mg/kg | ca. 3430 | Rat    | Study report (1980)<br>OECD Guideline 401                 |
|            | dermal                        | LD50<br>mg/kg | > 5000   | Rat    | Study report (2000)<br>OECD Guideline 402                 |
| 10043-35-3 | boric acid                    |               |          |        |   |
|            | oral                          | LD50<br>mg/kg | 3450     | Rat    | Toxicology and Applied Pharmacology 23:<br>other: No data |
|            | dermal                        | LD50<br>mg/kg | > 2000   | Rabbit | Study report (1982)<br>other: FIFRA                       |
|            | inhalation (4 h)<br>dust/mist | LC50<br>mg/l  | > 2,12   | Rat    | Study report (1997)<br>OECD Guideline 403                 |

**Irritation and corrosivity**

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

Serious eye damage/eye 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**

May damage fertility. May damage the unborn child. (boric acid)

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: 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.

**Information on likely routes of exposure**

There are no data available on the mixture itself.

**Specific effects in experiment on an animal**

There are no data available on the mixture itself.

**Additional information on tests**

There are no data available on the mixture itself.

**Practical experience**

There are no data available on the mixture itself.

**11.2. Information on other hazards**

**Endocrine disrupting properties**

There are no data available on the mixture itself.

**Other information**

There are no data available on the mixture itself.

**Further information**

There are no data available on the mixture itself.

**SECTION 12: Ecological information**

**12.1. Toxicity**

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



**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Mutterlösung zur Kalibrierung von Nitrat-Meßgeräten 1 ml Mutterlösung enthält 5 mg NO<sub>3</sub>-N**

Revision date: 25.06.2024

Product code: 04729

Page 9 of 11

| CAS No     | Chemical name            |                       |           |   |  |  |
|------------|--------------------------|-----------------------|-----------|---|--|--|
|            | Aquatic toxicity         | Dose                  | [h]   [d] | Species   | Source                                   | Method                                   |
| 7631-99-4  | sodium nitrate           |                       |           |   |  |  |
|            | Acute fish toxicity      | LC50 > 100 mg/l       | 96 h      | Oncorhynchus mykiss                                 | Study report (2000)                      | OECD Guideline 203                       |
|            | Acute crustacea toxicity | EC50 3581 mg/l        | 48 h      | Daphnia magna                                       | J. Water Pollut. Control Fed. 37(9):1308 | no data                                  |
|            | Fish toxicity            | NOEC 268 mg/l         | 30 d      | juvenile Topeka shiner and with juvenile Fathead m  | Study report (2009)                      | Growth tests estimated the test chemical |
| 10043-35-3 | boric acid               |                       |           |   |  |  |
|            | Acute fish toxicity      | LC50 79,7 mg/l        | 96 h      | Pimephales promelas                                 | Study report (2010)                      | other: ASTM E729-95 Standard Guide for C |
|            | Acute algae toxicity     | ErC50 66 mg/l         | 72 h      | Phaeodactylum tricornutum                           | Study report (2011)                      | ISO 10253                                |
|            | Acute crustacea toxicity | EC50 109 mg/l         | 48 h      | Ceriodaphnia dubia                                  | Study report (2010)                      | other: ASTM E729-95 Standard Guide for C |
|            | Fish toxicity            | NOEC 11,2 mg/l        | 32 d      | Pimephales promelas                                 | Study report (2010)                      | other: ASTM E1241-05 Standard Guide for  |
|            | Algae toxicity           | NOEC 17,5 mg/l        | 3 d       | Pseudokirchneriella subcapitata                     | Study report (2000)                      | OECD Guideline 201                       |
|            | Crustacea toxicity       | NOEC 25,9 mg/l        | 42 d      | other aquatic crustacea: Hyalella azteca            | Study report (2010)                      | other: US EPA 2000 Methods for assessing |
|            | Acute bacteria toxicity  | EC50 > 10000 mg/l ( ) | 3 h       | activated sludge of a predominantly domestic sewage | Study report (2001)                      | OECD Guideline 209                       |

**12.2. Persistence and degradability**

There are no data available on the mixture itself.

**12.3. Bioaccumulative potential**

There are no data available on the mixture itself.

**Partition coefficient n-octanol/water**

| CAS No     | Chemical name | Log Pow |
|------------|---------------|---------|
| 10043-35-3 | boric acid    | -1,09   |

**BCF**

| CAS No     | Chemical name | BCF   | Species            | Source              |
|------------|---------------|-------|--------------------|---------------------|
| 10043-35-3 | boric acid    | 0,558 | Oncorhynchus nerka | Water Research Vol. |

**12.4. Mobility in soil**

There are no data available on the mixture itself.

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

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

**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**

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Mutterlösung zur Kalibrierung von Nitrat-Meßgeräten 1 ml Mutterlösung enthält 5 mg NO<sub>3</sub>-N

Revision date: 25.06.2024

Product code: 04729

Page 10 of 11

Do not empty into drains.

#### Further information

Discharge into the environment must be avoided.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### Disposal recommendations

Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

Send to a physico-chemical treatment facility under observation of official regulations.

Do not empty into drains.

##### Contaminated packaging

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

### SECTION 14: Transport information

#### Land transport (ADR/RID)

|  |  |
|--|--|
| <b>14.1. UN number or ID number:</b>     | No dangerous good in sense of this transport regulation. |
| <b>14.2. UN proper shipping name:</b>    | No dangerous good in sense of this transport regulation. |
| <b>14.3. Transport hazard class(es):</b> | No dangerous good in sense of this transport regulation. |
| <b>14.4. Packing group:</b>              | No dangerous good in sense of this transport regulation. |

#### Inland waterways transport (ADN)

|  |  |
|--|--|
| <b>14.1. UN number or ID number:</b>     | No dangerous good in sense of this transport regulation. |
| <b>14.2. UN proper shipping name:</b>    | No dangerous good in sense of this transport regulation. |
| <b>14.3. Transport hazard class(es):</b> | No dangerous good in sense of this transport regulation. |
| <b>14.4. Packing group:</b>              | No dangerous good in sense of this transport regulation. |

#### Marine transport (IMDG)

|  |  |
|--|--|
| <b>14.1. UN number or ID number:</b>     | No dangerous good in sense of this transport regulation. |
| <b>14.2. UN proper shipping name:</b>    | No dangerous good in sense of this transport regulation. |
| <b>14.3. Transport hazard class(es):</b> | No dangerous good in sense of this transport regulation. |
| <b>14.4. Packing group:</b>              | No dangerous good in sense of this transport regulation. |

#### Air transport (ICAO-TI/IATA-DGR)

|  |  |
|--|--|
| <b>14.1. UN number or ID number:</b>     | No dangerous good in sense of this transport regulation. |
| <b>14.2. UN proper shipping name:</b>    | No dangerous good in sense of this transport regulation. |
| <b>14.3. Transport hazard class(es):</b> | No dangerous good in sense of this transport regulation. |
| <b>14.4. Packing group:</b>              | 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

Authorisations (REACH, annex XIV):

Substances of very high concern, SVHC (REACH, article 59):

boric acid

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Mutterlösung zur Kalibrierung von Nitrat-Meßgeräten 1 ml Mutterlösung enthält 5 mg NO<sub>3</sub>-N**

Revision date: 25.06.2024

Product code: 04729

Page 11 of 11

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 30

Marketing and use of explosives precursors (Regulation (EU) 2019/1148):

This product is regulated by Regulation (EU) 2019/1148: all suspicious transactions, and significant disappearances and thefts should be reported to the relevant national contact point.

**National regulatory information**

Employment restrictions:

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. Observe employment restrictions for women of child-bearing age.

Water hazard class (D):

1 - slightly hazardous to water

**Additional information**

No data available

**SECTION 16: Other information**

**Changes**

This data sheet contains changes from the previous version in section(s): 9.

**Abbreviations and acronyms**

Ox. Sol: Oxidising solid

Eye Irrit: Eye irritation

Repr: Reproductive toxicity

**Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]**

|                  |                          |
|------------------|--------------------------|
| Classification   | Classification procedure |
| Repr. 1B; H360FD | Calculation method       |

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

- H272 May intensify fire; oxidiser.
- H319 Causes serious eye irritation.
- H360FD May damage fertility. May damage the unborn child.

**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. Provide appropriate information, instructions and training to users

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