



**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Multielement-Standardlösung 6 El. unterschiedl. Konz. in HNO<sub>3</sub> 1 N**

Revision date: 17.04.2024

Product code: 14647

Page 2 of 11

H314 Causes severe skin burns and eye damage.

**Precautionary statements**

P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
 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.

**Special labelling of certain mixtures**

EUH071 Corrosive to the respiratory tract.

**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)                                     |              |                  |            |
| 7697-37-2  | nitric acid   |              |                  | 5 - < 10 % |
|            | 231-714-2   | 007-030-00-3 | 01-2119487297-23 |            |
|            | Ox. Liq. 3, Met. Corr. 1, Acute Tox. 3, Skin Corr. 1A; H272 H290 H331 H314 EUH071 |              |                  |            |
| 16919-19-0 | ammonium hexafluorosilicate   |              |                  | < 1 %      |
|            | 240-968-3   | 009-012-00-0 |                  |            |
|            | Acute Tox. 3, Acute Tox. 3, Acute Tox. 3; H331 H311 H301                          |              |                  |            |

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  |            |
| 7697-37-2  | 231-714-2 | nitric acid   | 5 - < 10 % |
|            |           | inhalation: ATE 2,65 mg/l (vapours) Ox. Liq. 3; H272: >= 65 - 100 Skin Corr. 1A; H314: >= 20 - 100 Skin Corr. 1B; H314: >= 5 - < 20 |            |
| 16919-19-0 | 240-968-3 | ammonium hexafluorosilicate   | < 1 %      |
|            |           | inhalation: ATE = 3 mg/l (vapours); inhalation: ATE = 0,5 mg/l (dusts or mists); dermal: ATE = 300 mg/kg; oral: ATE = 100 mg/kg     |            |

**Further Information**

This product does not contain substances of very high concern according to Regulation (EC) No 1907/2006 (REACH), Article 57 above the respective regulatory concentration limit of = 0.1 % (w/w).

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

**General information**

First aider: Pay attention to self-protection!

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Multiement-Standardlösung 6 El. unterschiedl. Konz. in HNO<sub>3</sub> 1 N

Revision date: 17.04.2024

Product code: 14647

Page 3 of 11

#### After inhalation

Provide fresh air.  
Call a physician immediately.

#### After contact with skin

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

#### 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.  
Remove contact lenses, if present and easy to do. Continue rinsing.  
Protect uninjured eye.

#### After ingestion

Rinse mouth immediately and drink plenty of water.  
Do NOT induce vomiting. Do not allow a neutralisation agent to be drunk.  
Call a physician immediately.

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

Causes burns.  
Irritant  
Cough  
Dyspnoea  
Vomiting  
Methaemoglobinaemia  
Risk of serious damage to eyes.

#### 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  
Hazardous combustion products  
In case of fire may be liberated:  
Nitrogen oxides (NO<sub>x</sub>)

### 5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.  
In case of fire and/or explosion do not breathe fumes.  
Avoid contact with skin, eyes and clothes.

#### Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.  
Move undamaged containers from immediate hazard area if it can be done safely.  
Use water spray jet to protect personnel and to cool endangered containers.

## SECTION 6: Accidental release measures

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

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Multiement-Standardlösung 6 El. unterschiedl. Konz. in HNO<sub>3</sub> 1 N

Revision date: 17.04.2024

Product code: 14647

Page 4 of 11

#### General advice

Corrosive to metals.

#### For non-emergency personnel

Provide adequate ventilation.

Use personal protection equipment.

Avoid contact with skin, eyes and clothes.

Remove persons to safety.

Emergency procedures

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.

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

Read label before use. Handle and open container with care.

When using do not eat, drink, smoke, sniff. Use personal protection equipment.

Provide adequate ventilation. Avoid contact with skin, eyes and clothes.

Do not breathe vapour/aerosol. Use extractor hood (laboratory).

#### Advice on protection against fire and explosion

Usual measures for fire prevention.

#### Advice on general occupational hygiene

Keep away from food, drink and animal feedingstuffs. 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 or drink. Avoid: aerosol or mist formation Do not breathe

vapour/aerosol.

#### Further information on handling

Draw up and observe skin protection programme.

Wash hands and face before breaks and after work and take a shower if necessary.

Take off immediately all contaminated clothing and wash it before reuse.

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

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Multielement-Standardlösung 6 El. unterschiedl. Konz. in HNO<sub>3</sub> 1 N**

Revision date: 17.04.2024

Product code: 14647

Page 5 of 11

**Requirements for storage rooms and vessels**

- Corrosive to metals.
- Unsuitable container/equipment material: Metal
- The product develops hydrogen in an aqueous solution in contact with metals.

**Further information on storage conditions**

- Keep container tightly closed.

**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)     |        |
| 7697-37-2  | Nitric acid                            | 1   | 2.6               |                     | STEL (15 min) |        |

**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     |
|--|------------|-----------|
| 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.
- If handled uncovered, arrangements with local exhaust ventilation have to be used.

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

**Eye/face protection**

- goggles

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Multielement-Standardlösung 6 El. unterschiedl. Konz. in HNO<sub>3</sub> 1 N

Revision date: 17.04.2024

Product code: 14647

Page 6 of 11

Wear eye/face protection.

#### 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) 0,11 mm

Wearing time with permanent contact: > 480 min

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): > 480 min

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

#### Skin protection

Wear suitable protective clothing. Take off immediately all contaminated clothing.

Wash hands before breaks and after work.

The choice of body protection depends on the concentration and quantity of hazardous substances. The chemical resistance of protective agents must be clarified with their suppliers.

#### Respiratory protection

Respiratory protection necessary at: aerosol or mist formation

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

#### Environmental exposure controls

Do not allow to enter into surface water or drains.

## SECTION 9: Physical and chemical properties

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

|   |                   |                     |
|---|-------------------|---------------------|
| Physical state:   | Liquid            |                     |
| Colour:   | colourless        |                     |
| Odour:  | like: Nitric acid |                     |
| 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:   |                   | <1                  |
| Viscosity / kinematic:                                    |                   | No data available   |
| Water solubility:   |                   | completely miscible |
| Solubility in other solvents:                             |                   |                     |
| No data available   |                   |                     |

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Multiement-Standardlösung 6 El. unterschiedl. Konz. in HNO<sub>3</sub> 1 N

Revision date: 17.04.2024

Product code: 14647

Page 7 of 11

|  |                         |
|--|-------------------------|
| Partition coefficient n-octanol/water: | No data available       |
| Vapour pressure:                       | No data available       |
| Vapour pressure:                       | No data available       |
| Density:                               | 1,034 g/cm <sup>3</sup> |
| Bulk density:                          | No data available       |
| Relative vapour density:               | 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      |                   |
| Oxidizing                 |                   |

##### 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

Corrosive to metals.

## SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Corrosive to metals.  
Oxidising agent

#### 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

#### 10.3. Possibility of hazardous reactions

Alkali (lye)  
The product develops hydrogen in an aqueous solution in contact with metals.  
Amines, Ammonia, Alcohols, Alkali metals, Hydrogen peroxide  
Copper, Combustible solids, Solvent, Alkaline earth metal, mercury (Hg).

#### 10.4. Conditions to avoid

No data available

#### 10.5. Incompatible materials

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

#### 10.6. Hazardous decomposition products

In case of fire may be liberated:  
SECTION 5: Firefighting measures

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Multielement-Standardlösung 6 El. unterschiedl. Konz. in HNO<sub>3</sub> 1 N**

Revision date: 17.04.2024

Product code: 14647

Page 8 of 11

**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 preparation/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

| CAS No     | Chemical name               |               |         |        |        |
|------------|-----------------------------|---------------|---------|--------|--------|
|            | Exposure route              | Dose          | Species | Source | Method |
| 7697-37-2  | nitric acid                 |               |         |        |        |
|            | inhalation vapour           | ATE 2,65 mg/l |         |        |        |
| 16919-19-0 | ammonium hexafluorosilicate |               |         |        |        |
|            | oral                        | ATE 100 mg/kg |         |        |        |
|            | dermal                      | ATE 300 mg/kg |         |        |        |
|            | inhalation vapour           | ATE 3 mg/l    |         |        |        |
|            | inhalation dust/mist        | ATE 0,5 mg/l  |         |        |        |

**Irritation and corrosivity**

Skin corrosion/irritation: Causes severe skin burns and eye damage.

Serious eye damage/eye irritation: Causes serious eye damage.

Corrosive to the respiratory tract.

Following ingestion Gastric perforation

Irritating to respiratory system.

Pulmonary oedema

see also Section 4

**Sensitising effects**

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

**Carcinogenic/mutagenic/toxic effects for reproduction**

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

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

Reproductive toxicity: 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.

**Specific effects in experiment on an animal**

There are no data available on the preparation/mixture itself.

**Additional information on tests**

There are no data available on the preparation/mixture itself.



**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Multielement-Standardlösung 6 El. unterschiedl. Konz. in HNO<sub>3</sub> 1 N**

Revision date: 17.04.2024

Product code: 14647

Page 9 of 11

**Practical experience**

There are no data available on the preparation/mixture itself.

**11.2. Information on other hazards**

**Other information**

There are no data available on the preparation/mixture itself.

**Further information**

There are no data available on the preparation/mixture itself.

**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  |
| 7697-37-2 | nitric acid             |              |                 |         |  |   |
|           | Acute fish toxicity     | LC50<br>mg/l | 1559            | 96 h    | Topeka shiner                                      | Environmental Toxicology and Chemistry, other: ASTM E729-26               |
|           | 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              |
|           | Algae toxicity          | NOEC         | > 419 mg/l      | 10 d    | several benthic diatoms; see results               | Marine Biology 43:307-315 (1977) Ten cultures of benthic diatoms were iso |
|           | Acute bacteria toxicity | EC50         | > 1000 mg/l ( ) | 3 h     | Activated sludge                                   | Study report (2008) OECD Guideline 209                                    |

**12.2. Persistence and degradability**

The methods for determining the biological degradability are not applicable to inorganic substances.

**12.3. Bioaccumulative potential**

There are no data available on the mixture itself.

**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**

Discharge into the environment must be avoided.

**Further information**

Do not allow to enter into surface water or drains.

**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**

Handle contaminated packages in the same way as the substance itself.

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

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Multielement-Standardlösung 6 El. unterschiedl. Konz. in HNO<sub>3</sub> 1 N**

Revision date: 17.04.2024

Product code: 14647

Page 10 of 11

to the industry and process.

**SECTION 14: Transport information**

**Land transport (ADR/RID)**

|  |             |
|--|-------------|
| <b>14.1. UN number or ID number:</b>     | UN 2031     |
| <b>14.2. UN proper shipping name:</b>    | NITRIC ACID |
| <b>14.3. Transport hazard class(es):</b> | 8           |
| <b>14.4. Packing group:</b>              | II          |
| Hazard label:                            | 8           |
| Classification code:                     | C1          |
| Limited quantity:                        | 1 L         |
| Excepted quantity:                       | E2          |
| Transport category:                      | 2           |
| Hazard No:                               | 80          |
| Tunnel restriction code:                 | E           |

**Inland waterways transport (ADN)**

|  |             |
|--|-------------|
| <b>14.1. UN number or ID number:</b>     | UN 2031     |
| <b>14.2. UN proper shipping name:</b>    | NITRIC ACID |
| <b>14.3. Transport hazard class(es):</b> | 8           |
| <b>14.4. Packing group:</b>              | II          |
| Hazard label:                            | 8           |
| Classification code:                     | C1          |
| Limited quantity:                        | 1 L         |
| Excepted quantity:                       | E2          |

**Marine transport (IMDG)**

|  |             |
|--|-------------|
| <b>14.1. UN number or ID number:</b>     | UN 2031     |
| <b>14.2. UN proper shipping name:</b>    | NITRIC ACID |
| <b>14.3. Transport hazard class(es):</b> | 8           |
| <b>14.4. Packing group:</b>              | II          |
| Hazard label:                            | 8           |
| Special Provisions:                      | -           |
| Limited quantity:                        | 1 L         |
| Excepted quantity:                       | E2          |
| EmS:                                     | F-A, S-B    |

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

|  |             |
|--|-------------|
| <b>14.1. UN number or ID number:</b>     | UN 2031     |
| <b>14.2. UN proper shipping name:</b>    | NITRIC ACID |
| <b>14.3. Transport hazard class(es):</b> | 8           |
| <b>14.4. Packing group:</b>              | II          |
| Hazard label:                            | 8           |
| Special Provisions:                      | A212        |
| Limited quantity Passenger:              | Forbidden   |
| Passenger LQ:                            | Forbidden   |
| Excepted quantity:                       | E0          |
| IATA-packing instructions - Passenger:   | Forbidden   |
| IATA-max. quantity - Passenger:          | Forbidden   |
| IATA-packing instructions - Cargo:       | 855         |
| IATA-max. quantity - Cargo:              | 30 L        |

**SECTION 15: Regulatory information**

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

**EU regulatory information**

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Multielement-Standardlösung 6 El. unterschiedl. Konz. in HNO3 1 N**

Revision date: 17.04.2024

Product code: 14647

Page 11 of 11

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 30, Entry 65

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

Acquisition, introduction, possession or use of this product by the general public is restricted 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).

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

**SECTION 16: Other information**

**Changes**

This data sheet contains changes from the previous version in section(s): 1,9,12.

**Abbreviations and acronyms**

Ox. Liq: Oxidising liquid

Met. Corr: Substance or mixture corrosive to metals

Acute Tox: Acute toxicity

Skin Corr: Skin corrosion

Eye Dam: Eye damage

Repr: Reproductive toxicity

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

| Classification      | Classification procedure |
|---------------------|--------------------------|
| Met. Corr. 1; H290  | On basis of test data    |
| Skin Corr. 1B; H314 | Calculation method       |
| Eye Dam. 1; H318    | Calculation method       |

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

|        |  |
|--------|--|
| H272   | May intensify fire; oxidiser.            |
| H290   | May be corrosive to metals.              |
| H301   | Toxic if swallowed.                      |
| H311   | Toxic in contact with skin.              |
| H314   | Causes severe skin burns and eye damage. |
| H318   | Causes serious eye damage.               |
| H331   | Toxic if inhaled.                        |
| EUH071 | Corrosive to the respiratory tract.      |

**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.)*