

Revision date: 28.02.2020  
Replacement of version 0015 of 07.01.2019

Version: 0016



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

### 1.1 *Product identifier*

|                    |  |
|--------------------|--|
| Trade name         | <b>AzurGel-K, Colloidal Comassie Kit</b> |
| Product number     | anam0019                                 |
| Item code          | GF10002, GF10021, GF10022                |
| Formulation        | solution 1, solution 2                   |
| Formulation number | 11/05                                    |

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

Appropriate use:  
The product is used for electrophoresis in analytical laboratories.

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

anamed Elektrophorese GmbH  
Ringstraße 4  
D-64401 Gross-Bieberau  
Telephone: +49-6162-809840  
e-mail-address of the competent person responsible for this Safety Data Sheet:  
[urban-finking.gefstoff@t-online.de](mailto:urban-finking.gefstoff@t-online.de)

#### **Technical contact:**

anamed Elektrophorese GmbH  
Frau Dr. Vera Kreis  
Telephone +49-6162-809840  
Fax +49-6162-8098420

### 1.4 *Emergency telephone number*

Poison Control Center Mainz (Giftinformationszentrum Mainz) or local poison centers  
Telephone +49-6131 19 2 40

## SECTION 2: Hazards identification

### 2.1 *Classification of the substance or mixture*

**Solution 1:**  
Met. Corr. 1; H290

**Solution 2:**  
The mixture does not meet the criteria for a classification as hazardous in accordance with the current version of Regulation (EC) No 1272/2008.

|                      |   |                           |
|----------------------|---|---------------------------|
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| Company/Undertaking: | <b>anamed Elektrophorese GmbH</b>           |                           |
|                      | <b>Ringstraße 4, D-64401 Gross-Bieberau</b> |                           |
| Telephone:           | <b>+49-6162-809840</b>                      | Revision date: 28.02.2020 |
| Product number:      | <b>anam0019</b>                             |                           |

## 2.2 Label elements

### Solution 1:

Hazard pictogram(s):



Signal word(s):

Warning

Product identifier:

AzurGel-K, Colloidal Coomassie Kit

Hazard statements:

H290

May be corrosive to metals.

Precautionary statements:

P234

Keep only in original packaging.

P390

Absorb spillage to prevent material damage.

Supplemental hazard information:

Not required

### Solution 2:

Hazard pictogram(s):

No pictogram

Signal word(s):

No signal word

Product identifier:

Not required

Hazard statements:

Not required

Precautionary statements:

Not required

Supplemental hazard information:

Not required

### Remark:

The label on the packaging of the kit consisting of solution 1 and solution 2 must bear the label elements of solution 1.

## 2.3 Other hazards

Possible health hazard if not used correctly.

Irritant effect on eyes and skin cannot be ruled out.

The product is classified as slightly hazardous to water (solution 1 and solution 2).

The mixture does not contain any substances classified as PBT/vPvB in a concentration of 0.1% or more.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

REACH registration number:

- Phosphoric acid:

01-2119485924-24-XXXX

- Ammonium sulphate:

01-2119455044-46-XXXX

#### 3.2.1 Characterisation

The product is a kit that consists of aqueous solutions for gel staining and destaining containing several special substances.

#### 3.2.2 Substances presenting a health/environmental hazard within the meaning of Directive 67/548/EEC

##### Solution 1:

| CAS No    | EC No     | Identification  | % by weight | Classification                            |
|-----------|-----------|-----------------|-------------|---|
| 7664-38-2 | 231-633-2 | phosphoric acid | < 10        | Met. Corr. 1; H290<br>Skin Corr. 1B; H314 |

See subsection 2.2 for further details. Full text of the hazard statements see subsection 16.2.

##### Solution 2:

The solution does not contain substances meeting the criteria for a classification as hazardous in accordance with Regulation (EC) No 1272/2008.

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|                      |   |                           |
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**3.2.3 Substances for which Union workplace exposure limits have been assigned and which are not already included under point 3.2.2 (see also Section 8.)**

No substances.

**3.2.4 Additional information**

Specific concentration limits for phosphoric acid in accordance with Annex VI of Regulation (CE) No 1272/2008:

Skin Corr. 1B:  $C \geq 25\%$

Eye Irrit. 2:  $10\% \leq C < 25\%$

Skin Irrit. 2:  $10\% \leq C < 25\%$

The product (solution 1) contains 35 – 45% ammonium sulphate.

DNEL/PNEC values have been assigned for this substance (see subsection 8.1).

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## SECTION 4: First aid measures

**4.1 Description of first aid measures**

**4.1.1 General information**

Change contaminated clothing and wash before reuse.

Emergency eyewash should be provided in the immediate working surroundings.

**4.1.2 In case of inhalation**

Remove the casualty into fresh air.

In the event of symptoms take medical treatment.

**4.1.3 In case of contact with skin**

In case of contact with skin rinse thoroughly with plenty of water.

**4.1.4 In case of contact with eyes**

In case of contact with eyes, rinse 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.

**4.1.5 In case of ingestion**

If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting.

Let water be swallowed in little sips (dilution effect). Put victim at rest.

Take medical treatment immediately.

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

Irritant effect on eyes and skin cannot be ruled out.

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

Treat symptomatically. No information available.

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## SECTION 5: Firefighting measures

**5.1 Extinguishing media**

**5.1.1 Suitable extinguishing media**

Water spray jet, carbon dioxide, dry powder.

**5.1.2 Unsuitable extinguishing media**

Full water jet.

**5.2 Special hazards arising from the substance or mixture**

In the event of fire the following can be released: nitrogen oxides, sulfur oxides, ammonia, phosphorus oxides.

Risk of formation of toxic pyrolysis products.

**5.3 Advice for firefighters**

Wear self-contained breathing apparatus.

Do not inhale explosion and combustion gases.

Cool endangered containers with water spray jet.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

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## SECTION 6: Accidental release measures

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

#### 6.1.1 *For non-emergency personnel*

Ensure adequate ventilation. Use personal protective clothing.  
 Use respiratory protection if exposed to vapours.  
 Keep away from unprotected people.

#### 6.1.2 *For emergency responders*

For suitable fabric for personal protective clothing see Section 8.

### 6.2 *Environmental precautions*

Do not discharge into the drains, the aquatic environment and soil.

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

Pick up with suitable material.  
 Dispose of absorbed material in accordance with the regulations.  
 Send in suitable containers for recovery or disposal.  
 Flush away residues with plenty of water.

### 6.4 *Reference to other sections*

For personal protective equipment see also Section 8.  
 For disposal considerations see also Section 13.

## SECTION 7: Handling and storage

### 7.1 *Precautions for safe handling*

#### 7.1.1 *Advice on safe handling*

The normal safety precautions for handling of chemicals must be observed.  
 Avoid contact with eyes and skin.  
 Comply with the minimum standards in accordance with TRGS 500<sup>1</sup>.

#### 7.1.2 *Advice on general occupational hygiene*

Do not inhale vapours. Avoid contact with eyes and skin.  
 At work do not eat, drink, smoke or take drugs.  
 Change contaminated clothing and wash before reuse.  
 Wash hands before breaks and after work. Use barrier skin cream.  
 Emergency eyewash should be provided in the immediate working surroundings.

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

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

None.

#### 7.2.2 *Requirements for storage rooms and vessels*

Keep container tightly closed. Keep in a cool place.

#### 7.2.3 *Advice on storage compatibility*

The information about joint storage given in Table 2 of TRGS 510<sup>1</sup> must be observed.

#### 7.2.4 *Further information on storage conditions*

None.

#### 7.2.5 *Storage class (for Germany only)*

LGK 12 (non-combustible liquids) in accordance with TRGS 510<sup>1</sup>.

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

The product is only intended for the uses mentioned under subsection 1.2.

## SECTION 8: Exposure controls/personal protection

### 8.1 *Control parameters*

#### Solution 1:

| CAS No    | Identification       | Limit values  | Remarks   |
|-----------|----------------------|---|---|
| 7664-38-2 | orthophosphoric acid | 1 mg/m <sup>3</sup> (8 h) indicative occupational exposure limit value<br>2 mg/m <sup>3</sup> (short term) indicative occupational exposure limit value<br><br>2 mg/m <sup>3</sup> (inhalable aerosol)<br>2 mg/m <sup>3</sup> (inhalable fraction)<br><br>4 mg/m <sup>3</sup> (inhalable aerosol)<br>4 mg/m <sup>3</sup> (inhalable fraction) | EU-limit value according to Directive 2000/39/EC<br><br><b>Different national limit values - 8 hours</b><br>Germany<br>Switzerland<br><b>Different national limit values - short term</b><br>Germany<br>Switzerland |

|                      |   |                           |
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*(continued from 8.1 Control parameters)*

#### DNEL values

##### Additional limit values for orthophosphoric acid in accordance with the registration dossier:

|  |                            |
|--|----------------------------|
| worker, long-term exposition: inhalation, systemic effect:             | 10.7 mg/m <sup>3</sup>     |
| worker, long-term exposition: inhalation, local effect:                | 1 mg/m <sup>3</sup>        |
| worker, acute: inhalation, local effect:                               | 2 mg/m <sup>3</sup>        |
| general population, long-term exposition: inhalation, systemic effect: | 4.57 mg/m <sup>3</sup>     |
| general population, long-term exposition: inhalation, local effect:    | 0.36 mg/m <sup>3</sup>     |
| general population, long-term exposition: oral, systemic effect:       | 0.1 mg/kg <sub>bw</sub> /d |

##### Additional values for ammonium sulphate in accordance with the registration dossier:

|  |                               |
|--|-------------------------------|
| worker, long-term exposition: inhalation, systemic effect:             | 11.167 mg/m <sup>3</sup>      |
| worker, long-term exposition: dermal, systemic effect:                 | 42.667 mg/kg <sub>bw</sub> /d |
| general population, long-term exposition: inhalation, systemic effect: | 1.667 mg/m <sup>3</sup>       |
| general population, long-term exposition: dermal, systemic effect:     | 12.8 mg/kg <sub>bw</sub> /d   |
| general population, long-term exposition: oral, systemic effect:       | 6.4 mg/kg <sub>bw</sub> /d    |

#### PNEC values

##### Additional values for ammonium sulphate in accordance with the registration dossier:

|                                  |                           |
|----------------------------------|---------------------------|
| aquatic, fresh water:            | 0.312 mg/l                |
| aquatic, marine water:           | 0.0312 mg/l               |
| aquatic, intermittent release:   | 0.53 mg/l                 |
| aquatic, sewage treatment plant: | 16.18 mg/l                |
| sediment, fresh water:           | 0.063 mg/kg <sub>dw</sub> |
| soil environment:                | 62.6 mg/kg <sub>dw</sub>  |

#### Solution 2:

This solution does not contain substances for which exposure limit values have been assigned.

The methods for measuring chemical agents in workplace atmosphere must meet the general requirements of EN 482 and EN 689.

## 8.2 Exposure controls

### 8.2.1 Appropriate engineering controls

Technical measures and appropriate working operations should be given priority over the use of personal protective equipment. See also subsection 7.1.

The effectiveness of suitable protective measures must be controlled.

Suitable assessment methods are described in the German TRGS 402<sup>1</sup>.

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

Personal protective equipment needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substances handled. In the cases of special applications, it is recommended to check the chemical resistance with the manufacturer/supplier of the personal protective equipment.

#### 8.2.2.1 Eye/face protection

Tightly fitting safety glasses in accordance with EN 166 (i.e. safety glasses with side shields).

#### 8.2.2.2 Skin protection

##### Hand protection:

Protective gloves.

Suitable: protective gloves of nitrile rubber (0.35 mm; breakthrough time ≥ 8 h);  
 protective gloves of natural rubber (0.5 mm; breakthrough time ≥ 8 h);  
 protective gloves of butyl rubber (0.5 mm; breakthrough time ≥ 8 h);  
 protective gloves of fluorinated rubber (0.4 mm; breakthrough time ≥ 8 h);  
 protective gloves of neoprene (0.5 mm; breakthrough time ≥ 8 h);  
 protective gloves of PVC (0.5 mm; breakthrough time ≥ 8 h).

Totally unsuitable: protective gloves of leather or textile.

Wear cotton undermitten if possible. Under practical conditions, the maximum wearing period can be significantly lower. The protective gloves to be used must comply with the specifications of the standard EN 374.

##### Body protection:

Closed work clothing.

### 8.2.2.3 Respiratory protection

With correct and proper use, and adequate ventilation of the working place, respiratory protection is not required.

In case of inadequate ventilation, and in case of formation of vapours/aerosols, wear respiratory protection.

Information on appropriate respirator protection is currently not available.

The limitations in wearing time according to the the DGUV Regel 112-190<sup>2</sup> (rule of the German employers' liability insurance association) for the use of respirators have to be observed.

### 8.2.2.4 Thermal hazards

Not relevant.

## 8.2.3 Environmental exposure controls

See Section 6.

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|   | <b>Solution 1:</b> | <b>Solution 2:</b> |
|---|--------------------|--------------------|
| Physical state:                         | liquid             | liquid             |
| Colour:                                 | colourless         | blue               |
| Odour:                                  | odorless           | odorless           |
| Odour threshold:                        | not relevant       | not relevant       |
| pH (as supplied):                       | not determined     | not determined     |
| pH (of an aqueous solution):            | not determined     | not determined     |
| Melting point/freezing point (°C):      | not determined     | not determined     |
| Boiling point and boiling range (°C):   | not determined     | not determined     |
| Flash point (°C), closed cup:           | not relevant       | not relevant       |
| Evaporation rate:                       | no data available  | no data available  |
| Flammability (solid, gas):              | not relevant       | not relevant       |
| Upper flammability or explosive limit:  | not relevant       | not relevant       |
| Lower flammability or explosive limit:  | not relevant       | not relevant       |
| Vapour pressure (20°C) (mbar):          | no data available  | no data available  |
| Vapour density (20°C):                  | no data available  | no data available  |
| Density (g/cm <sup>3</sup> ):           | not determined     | not determined     |
| Relative density:                       | not determined     | not determined     |
| Solubility in water:                    | miscible           | miscible           |
| Soluble in:                             | not determined     | not determined     |
| Partition coefficient: n-octanol/water: | no data available  | no data available  |
| Auto-ignition temperature (°C):         | no data available  | no data available  |
| Decomposition temperature (°C):         | no data available  | no data available  |
| Viscosity:                              | no data available  | no data available  |
| Explosive properties:                   | not explosive      | not explosive      |
| Oxidising properties:                   | not relevant       | not relevant       |

### 9.2 Other information

None.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No data available for the mixture.

### 10.2 Chemical stability

The product is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

### 10.3 Possibility of hazardous reactions

When used as intended, no hazardous reactions known.

### 10.4 Conditions to avoid

When used as intended, no hazardous reactions known.

### 10.5 Incompatible materials

No information available for the product.

### 10.6 Hazardous decomposition products

When used as intended, no hazardous decomposition products known.

For hazardous combustion products see subsection 5.2.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

The mixture has not been tested.

#### 11.1.1 Acute toxicity

##### Solution 1:

|                      |           |        |                     |          |
|----------------------|-----------|--------|---------------------|----------|
| LD50 rat, oral       | (mg/kg)   | 1250   | (phosphoric acid)   | (RTECS)  |
|                      |           | 2840   | (ammonium sulphate) | (RTECS)  |
| LD50 rabbit, dermal  | (mg/kg)   | 2740   | (phosphoric acid)   | (IUCLID) |
| LC50 rat, inhalation | (mg/l/1h) | > 0.85 | (phosphoric acid)   | (RTECS)  |

#### 11.1.2 Skin corrosion/irritation

Irritant effect on skin (rabbit) No data available.

#### 11.1.3 Serious eye damage/irritation

Irritant effect on eyes (rabbit) No data available.

#### 11.1.4 Respiratory or skin sensitisation

No data available for the product.

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**11.1.5 Germ cell mutagenicity**

The mixture does not contain substances classified as germ cell mutagens.

**11.1.6 Carcinogenicity**

The mixture does not contain substances classified as carcinogenic.

**11.1.7 Reproductive toxicity**

The mixture does not contain substances classified as toxic for the reproduction.

**11.1.8 Specific target organ toxicity (STOT)-single exposure**

The mixture does not contain substances classified as being a specific target organ toxicant after single exposure.

**11.1.9 Specific target organ toxicity (STOT)-repeated exposure**

The mixture does not contain substances classified as being a specific target organ toxicant after repeated exposure.

**11.1.10 Aspiration hazard**

The mixture does not contain aspiration toxicants.

**11.1.11 Symptoms related to the physical, chemical and toxicological characteristics**

Irritant effect on eyes and skin cannot be ruled out if the product is not used correctly.

**11.1.12 Delayed and immediate effects as well as chronic effects from short and long-term exposure**

Irritant effect on eyes and skin cannot be ruled out if the product is not used correctly.

**SECTION 12: Ecological information****12.1 Toxicity****Aquatic toxicity:****Solution 1:**

|                     |            |  |                              |
|---------------------|------------|--|------------------------------|
| 96 h LC50 (fish)    | 138 mg/l   | (Gambusia affinis; Western Mosquitofish) | (external safety data sheet) |
|                     | 420 mg/l   | (phosphoric acid)                        |                              |
|                     |            | (Danio rerio; zebrafish)                 |                              |
|                     |            | (ammonium sulphate)                      | (IUCLID)                     |
| 48 h EC50 (daphnia) | > 100 mg/l | (Daphnia magna)                          |                              |
|                     |            | (phosphoric acid)                        | (OECD Test Guideline 202)    |
|                     | 129 mg/l   | (Daphnia magna)                          |                              |
|                     |            | (ammonium sulphate)                      | (IUCLID)                     |
| 72 h ErC50 (algae)  | > 100 mg/l | (Desmodesmus subspicatus)                |                              |
|                     |            | (phosphoric acid)                        | (OECD Test Guideline 201)    |

**Behaviour in sewage works:**

Treat by state-of-the-art technology before discharging into drains.

**12.2 Persistence and degradability**

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

Chemical oxygen demand (COD)

No data available.

Biochemical oxygen demand (BOD5)

No data available.

AOX-hint

Not to apply.

**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 mixture does not contain any substances classified as PBT/vPvB in a concentration of 0.1% or more.

**12.6 Other adverse effects**

Ozone depletion potential

No data available.

Photochemical ozone creation potential

No data available.

Global warming potential

No data available.

The product is classified as slightly hazardous to water (solution 1 and solution 2).

**Contains according to the formulation following heavy metals and compounds of EC-Directives 2006/11/EC and 80/68/EEC:**

None.

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

Waste disposal according to official state regulations.

Consult the local waste disposal expert about waste disposal.

Sewage disposal must be avoided.

**Disposal operations/recovery operations according to Directive 2008/98/EC**

Disposal operations:

D 9

Physico-chemical treatment

Recovery operations:

R 3

Recycling/reclamation of organic substances which are not used as solvents

**Properties of waste which render it hazardous in accordance with Annex III of Directive 2008/98/EC**

Not relevant.

|                      |   |                           |
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**13.1.1 Product / unused product**

Waste disposal corresponding to European Waste Catalogue. Wastes must be classified with respect to their origin and depending on different processing steps. The waste codes mentioned as follows are only constituted as our recommendations. Referring to the particular case they should be completed or revised.

EC waste code: 16 05 09  
 Waste notation: Discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08

**13.1.2 Contaminated packaging**

Recommendation: Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

Recommended cleansing agent: Water

Packaging that cannot be cleaned:

EC waste code: 15 01 06  
 Waste notation: Mixed packaging

**SECTION 14: Transport information****Solution 1:****14.1 UN number**

UN 1805

**14.2 UN proper shipping name****14.2.1 ADR/RID/IATA-DGR**

PHOSPHORIC ACID, SOLUTION

**14.2.1 IMDG-Code**

PHOSPHORIC ACID SOLUTION

**14.3 Transport hazard class(es)**

Class 8 (Corrosive substances)

**14.4 Packing group**

PG III (Substances presenting low danger)

**14.5 Environmental hazards**

Not relevant.

**14.6 Special precautions for user**

See Sections 6 to 8.

**14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code**

Not relevant.

The product is delivered only in suitable packagings that are authorised in accordance with the transport regulations.

**Further information****ADR:**

Transport category: 3  
 Tunnel restriction code according to ADR: (E)  
 Classification code: C1

**ADR/RID:**

Hazard identification number: 80  
 Limited Quantities (LQ): 5 litres (per inner packaging)  
 Excepted quantities (EQ): E1

**IMDG-Code:**

EmS: F-A, S-B  
 Limited Quantities (LQ): 5 litres (per inner packaging)  
 Excepted quantities (EQ): E1

**IATA-DGR:**

Limited Quantities (LQ): 0.5 litres (per inner packaging of glass)  
 0.5 litres (per inner packaging of metall)  
 0.5 litres (per inner packaging of plastic)  
 1.0 litres (total net quantity per package)

Excepted quantities (EQ): E1

Special provision A803: Notwithstanding the assignment of a packing group III in column E of the List of Dangerous Goods, substances assigned to this entry must be packed in UN Specification packagings that meet packing group II performance standards.

This does not apply when the substances are prepared for transport in accordance with the limited quantity provisions.



|                      |   |                           |
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**Solution 2:**

- 14.1 UN number**  
No dangerous good in accordance with the UN Model Regulations (ADR/RID/ADN/IMDG/ICAO/IATA).
- 14.2 UN proper shipping name**  
Not relevant.
- 14.3 Transport hazard class(es)**  
Not relevant.
- 14.5 Packing group**  
Not relevant.
- 14.5 Environmental hazards**  
Not relevant.
- 14.6 Special precautions for user**  
Not relevant.
- 14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code**  
Not relevant.

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****15.1.1 Information regarding relevant Union safety, health and environmental provisions**

- Regulation (EC) No 1907/2006: The mixture does not contain substances classified as substances of very high concern (SVHC) in accordance with Article 57 of the regulation.
- Conditions of restriction in accordance with Regulation (EC) No 1907/2006: Annex XVII, No 3: orthophosphoric acid  
Annex XVII, No 65: inorganic ammonium salts

**15.1.2 Information regarding national laws/national measures that may be relevant (for Germany only)**

- Restriction of occupation: Not relevant
  - Major-accident Ordinance: Not relevant
  - Fire and explosion hazards: Not relevant
  - Regulation on clean air (TA Luft): Not relevant
  - Water hazard class: WGK 1 – slightly hazardous to water (deduction of the WGK according to Annex 1 No 5.2 AwSV)<sup>3</sup>  
The German Ordinance on facilities for handling substances that are hazardous to water (AwSV) has to be observed
  - German Ordinance on Hazardous Substances (in accordance with EC-Directive 98/24/EC): Article 6 must be observed  
Articles 7, 8 and 14 must be observed as required
  - Technical Rules for Hazardous Substances<sup>1</sup>: TRGS 400, 500, 510, 900
  - Rules of the employers' liability insurance association<sup>2</sup>: DGUV Regel 112-190, 112-192, 112-195
  - In accordance with Article 16e of the German Chemicals Act there is an obligation to notify the product at the Federal Institute of Risk Assessment (BfR).
  - Number of the product in the Poison Information Database: 6542889
- 15.2 Chemical safety assessment**  
No chemical safety assessment has been carried out for a substance in the product.

**SECTION 16: Other information**

- 16.1 Keeping (restrictions)**  
*Supply* Not relevant  
University (college, academy), industry consumer
- 16.2 Full text of the hazard statements referred to under subsection 2.1 and point 3.2.2 of the Safety Data Sheet**  
H290 May be corrosive to metals.  
H314 Causes severe skin burns and eye damage.
- 16.3 Key to abbreviations and acronyms used in the safety data sheet**
- ADN: Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
  - ADR: Accord européen relatif au transport international des marchandises dangereuses par route
  - AOX: adsorbable organically bound halogens
  - AwSV: Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (Ordinance on facilities for handling substances that are hazardous to water)
  - DNEL: Derived No-Effect Level
  - IUCLID: International Uniform Chemical Information Database

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|                      |   |                           |
|----------------------|---|---------------------------|
| Trade name:          | <b>AzurGel-K, Colloidal Coomassie Kit</b>   |                           |
| Company/Undertaking: | <b>anamed Elektrophorese GmbH</b>           |                           |
|                      | <b>Ringstraße 4, D-64401 Gross-Bieberau</b> |                           |
| Telephone:           | <b>+49-6162-809840</b>                      | Revision date: 28.02.2020 |
| Product number:      | <b>anam0019</b>                             |                           |

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*(continued from 16.3 Key to abbreviations and acronyms used in the safety data sheet)*

|            |   |
|------------|---|
| ICAO/IATA: | International Civil Aviation Organisation/International Air Transport Association-Dangerous Goods Regulations   |
| IMDG-Code: | International Maritime Dangerous Goods-Code   |
| KBwS:      | Commission for the Evaluation of substances hazardous to waters (Kommission Bewertung wassergefährdende Stoffe) |
| LGK:       | Lagerklasse (storage class)   |
| PBT:       | persistent, bioaccumulative and toxic   |
| PNEC:      | Predicted No-Effect Concentration   |
| RID:       | Règlement international concernant le transport des marchandises dangereuses par chemin de fer                  |
| RTECS:     | Registry of Toxic Effects of Chemical Substances  |
| TRGS:      | Technische Regeln für Gefahrstoffe (Technical Rules for Hazardous Substances)                                   |
| vPvB:      | very persistent and very bioaccumulative  |

**16.4 Literature references and sources for data**

<sup>1</sup> <http://www.baua.de>

<sup>2</sup> <http://www.arbeitssicherheit.de>

<sup>3</sup> <http://www.umweltbundesamt.de>

**16.5 Method used for the classification of the mixture**

The classification was undertaken in accordance with the classification criteria of Annex I of Regulation (EC) No 1272/2008.

**16.6 Changes which have been made to the previous version of the safety data sheet**

Revised sections: 1.3, 8.1, 14.7, 15.1.1

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.