

Date of compilation: 28.02.2020

Version: 0001



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

**1.1 Product identifier**

Trade name	<b>anaPAGE MOPS SDS Running Buffer 20-fold Concentrate</b>
Product number	anam0034
Item code	AM01/03 AM01050 AM01100 AM01500
Formulation	APAM
Formulation number	01/20

**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**

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

**2.2 Label elements**

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:**

According to Annex II Part 2 section 2.10 of the Regulation (EC) No 1272/2008 the label on the packaging of **mixtures not intended for the general public** shall bear the statement:

EUH210 – "Safety data sheet available on request".

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**2.3 Other hazards**

Possible health hazard if not used correctly.

Irritant effect on skin and eyes cannot be ruled out.

The product is classified as slightly hazardous to water.

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:

- Trometamol: 01-2119957659-16-XXXX

**3.2.1 Characterisation**

Ready-to use buffer solution (concentrate) for the operation of precast gels for anaPAGE applications.

It is an aqueous mixture containing several specific substances.

**3.2.2 Substances presenting a health/environmental hazard within the meaning of Regulation (EC) No 1272/2008**

CAS No	EC No	Identification	% by weight	Classification
151-21-3	205-788-1	sodium dodecyl sulphate	1 - < 5	Flam. Sol. 2; H228 Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 Acute Tox. 4; H332 STOT SE 3; H335 Aquatic Chronic 3; H412

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

**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 sodium dodecyl sulphate in accordance with C&L Inventory of the European Chemicals Agency ECHA<sup>1</sup>:

Eye Irrit. 2: 10% ≤ C < 20%

Eye Dam. 1: C ≥ 20%

The product contains 20 – 25% 4-morpholinopropanesulphonic acid  
DNEL values have been assigned for this substance (see subsection 8.1).

The product contains 10 – 15% trometamol.  
DNEL/PNEC values have been assigned for this substance (see subsection 8.1).

**SECTION 4: First aid measures****4.1 Description of first aid measures****4.1.1 General information**

Remove contaminated clothing immediately 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 skin and eyes cannot be ruled out.

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

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, foam.
- 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: hydrocarbons, carbon oxides, nitrogen oxides, nitrous gases, sulfur 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.
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## 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.  
Remove contaminated clothing immediately 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**  
Do not store together with strong oxidising agents.  
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.
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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

The product does not contain substances for which occupational exposure limit values have been assigned.

#### DNEL values

##### Additional limit values for 4-morpholinopropanesulphonic acid in accordance with the registration dossier:

worker, long-term exposition: inhalation, systemic effect:	10 mg/m <sup>3</sup>
worker, long-term exposition: inhalation, local effect:	10 mg/m <sup>3</sup>
general population, long-term exposition: inhalation, systemic effect:	10 mg/m <sup>3</sup>
general population, long-term exposition: inhalation, local effect:	10 mg/m <sup>3</sup>

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

worker, long-term exposition: inhalation, systemic effect:	117.5 mg/m <sup>3</sup>
worker, long-term exposition: dermal, systemic effect:	166.7 mg/kg <sub>bw</sub> /d
general population, long-term exposition: inhalation, systemic effect:	29 mg/m <sup>3</sup>
general population, long-term exposition: dermal, systemic effect:	83.3 mg/kg <sub>bw</sub> /d
general population, long-term exposition: oral, systemic effect:	8.3 mg/kg <sub>bw</sub> /d

##### Additional limit values for sodium dodecyl sulphate in accordance with the registration dossier:

worker, long-term exposition: inhalation, systemic effect:	285 mg/m <sup>3</sup>
worker, long-term exposition: dermal, systemic effect:	4060 mg/kg <sub>bw</sub> /d
general population, long-term exposition: inhalation, systemic effect:	85 mg/m <sup>3</sup>
general population, long-term exposition: dermal, systemic effect:	2440 mg/kg <sub>bw</sub> /d
general population, long-term exposition: oral, systemic effect:	24 mg/kg <sub>bw</sub> /d

#### PNEC values

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

aquatic, sewage treatment plant:	300 mg/l
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##### Additional limit values for sodium dodecyl sulphate in accordance with the registration dossier:

aquatic, fresh water:	0.176 mg/l
aquatic, marine water:	0.018 mg/l
aquatic, sewage treatment plant:	1.35 mg/l
sediment, fresh water:	6.97 mg/kg <sub>dw</sub>
sediment, marine water:	0.697 mg/kg <sub>dw</sub>
soil environment:	1.29 mg/kg <sub>dw</sub>

The methods for measuring chemical agents in workplace atmosphere must meet the general requirements of EN 481, 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:

In case of operations where skin contact is possible, wear suitable protective gloves.

Chemical protective gloves needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substances handled.

Information on appropriate protective gloves is currently not available. In the cases of special applications, it is recommended to check the chemical resistance with the manufacturer of the gloves.

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 DGVU 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

Physical state:	liquid
Colour:	colourless
Odour:	odourless
Odour threshold:	no relevant
pH (as supplied):	7.6 – 7.8
Melting point/freezing point (°C):	not determined
Boiling point and boiling range (°C):	not determined
Flash point (°C), closed cup:	not relevant
Evaporation rate:	no data available
Flammability (solid, gas):	not relevant
Upper flammability or explosive limit:	not relevant
Lower flammability or explosive limit:	not relevant
Vapour pressure (20°C) (mbar):	no data available
Vapour density (20°C):	no data available
Density (g/cm <sup>3</sup> ):	not determined
Relative density:	not determined
Solubility in water:	miscible
Soluble in:	not determined
Partition coefficient: n-octanol/water:	- 2.03 (20°C) (sodium dodecyl sulfate) (OECD Test Guideline 107) - 2.3 (20°C) (trometamol) (registration dossier) - 2.94 (20°C) (4-morpholinopropanesulphonic acid) (registration dossier)
Auto-ignition temperature (°C):	no data available
Decomposition temperature (°C):	no data available
Viscosity:	no data available
Explosive properties:	not explosive
Oxidising properties:	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

Reaction with strong oxidising agents, bases and acids possible.

### 10.4 Conditions to avoid

No particular conditions known.

### 10.5 Incompatible materials

Reaction with strong oxidising agents, bases and acids possible.

### 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

LD50 rat, oral	(mg/kg)	1200 > 5000 > 2000	(sodium dodecyl sulfate) (OECD Test Guideline 402) (trometamol) (OECD Test Guideline 425) (4-morpholinopropanesulphonic acid) (OECD Test Guideline 423)
LD50 rat, dermal	(mg/kg)	> 2000 > 5000	(sodium dodecyl sulphate) (OECD Test Guideline 402) (trometamol) (OECD Test Guideline 402)
LC50 rat, inhalation	(mg/l/4h)	No data available.	

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- 11.1.2 Skin corrosion/irritation**  
Irritant effect on skin (rabbit)
- |                |                                     |                           |
|----------------|-------------------------------------|---------------------------|
| Irritations    | (sodium dodecyl sulfate)            | (OECD Test Guideline 404) |
| Not irritating | (trometamol)                        | (OECD Test Guideline 404) |
| Not irritating | (4-morpholinopropanesulphonic acid) | (EU method B.4)           |
- 11.1.3 Serious eye damage/irritation**  
Irritant effect on eyes (rabbit)
- |                      |                                     |                           |
|----------------------|-------------------------------------|---------------------------|
| Irreversible effects | (sodium dodecyl sulfate)            | (OECD Test Guideline 405) |
| Not irritating       | (trometamol)                        | (OECD Test Guideline 405) |
| Not irritating       | (4-morpholinopropanesulphonic acid) | (EU method B.5)           |
- 11.1.4 Respiratory or skin sensitisation**  
No data available for the product.  
Skin sensitisation (guinea pig)
- |                 |                                     |                           |
|-----------------|-------------------------------------|---------------------------|
| Not sensitising | (sodium dodecyl sulfate)            | (OECD Test Guideline 406) |
| Not sensitising | (4-morpholinopropanesulphonic acid) | (OECD Test Guideline 406) |
- 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 contains substances classified as toxic for the reproduction below the generic cut-off values and below generic concentration limits triggering a classification.
- 11.1.8 Specific target organ toxicity (STOT)-single exposure**  
The mixture contains substances classified as being a specific target organ toxicant after single exposure below generic concentration limits triggering a classification.
- 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:**
- |           |           |            |   |
|-----------|-----------|------------|---|
| 96 h LC50 | (fish)    | 29 mg/l    | (Pimephales promelas; fathead minnow)<br>(sodium dodecyl sulphate) (OECD Test Guideline 203)<br>(Danio rerio; zebrafish)<br>(4-morpholinopropanesulphonic acid)<br>(OECD Test Guideline 203)  |
| 48 h EC50 | (daphnia) | 3.15 mg/l  | (Artemia salina)<br>(sodium dodecyl sulfate) (registration dossier)<br>(Daphnia magna)<br>(trometamol) (OECD Test Guideline 202)<br>(Daphnia magna)<br>(4-morpholinopropanesulphonic acid)<br>(OECD Test Guideline 202)   |
| 72 h EC50 | (algae)   | > 120 mg/l | (Desmodesmus subspicatus)<br>(sodium dodecyl sulfate) (DIN 38412, part 9)<br>(Pseudokirchneriella subcapitata)<br>(trometamol) (OECD Test Guideline 201)<br>> 100 mg/l<br>(Desmodesmus subspicatus)<br>(4-morpholinopropanesulphonic acid)<br>(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 product has not been tested.  
Sodium dodecyl sulfate:  
biodegradation 95%, exposure time 28 days (OECD Test Guideline 301 B); readily biodegradable.  
Trometamol:  
biodegradation 100.7%, exposure time 28 days (OECD Test Guideline 301 F); readily biodegradable.  
4-morpholinopropanesulfonic acid:  
not readily biodegradable in accordance with OECD Test Guideline 301 B.  
Chemical oxygen demand (COD) No data available.  
Biochemical oxygen demand (BOD5) No data available.  
AOX-hint Not to apply.

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- 12.3 Bioaccumulative potential**  
 Partition coefficient n-octanol/water: - 2.03 (20°C) (sodium dodecyl sulfate) (OECD Test Guideline 107)  
 - 2.3 (20°C) (trometamol) (registration dossier)  
 - 2.94 (20°C) (4-morpholinopropanesulphonic acid) (registration dossier)
- Bioaccumulation is not expected.
- 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.  
**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.
- 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 08  
 Waste notation: Discarded organic chemicals consisting or containing hazardous substances
- 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

- 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.
- 14.4 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.

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## 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 in concentrations of more or equal than 0.1%.

#### 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  
TRGS 400, 500, 510  
DGUV Regel 112-190, 112-192, 112-195
- Technical Rules for Hazardous Substances<sup>1</sup>:  
Rules of the employers' liability insurance association<sup>2</sup>:

#### 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)

Not relevant

#### Supply

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

- H228 Flammable solid.  
H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H332 Harmful if inhaled.  
H335 May cause respiratory irritation.  
H412 Harmful to aquatic life with long lasting effects.  
EUH210 Safety data sheet available on request.

### 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  
ICAO/IATA: International Civil Aviation Organisation/International Air Transport Association-Dangerous Goods Regulations  
IMDG-Code: International Maritime Dangerous Goods-Code  
IUCLID: International Uniform Chemical Information Database  
KBwS: Commission for the Evaluation of substances hazardous to waters (Kommission Bewertung wassergefährdende Stoffe)  
LKG: Lagerklasse (storage class)  
OECD: Organisation for Economic Co-operation and Development  
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



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**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><sup>4</sup> <http://echa.europa.eu/de/information-on-chemicals/cl-inventory-database>**16.5 Method used for the classification of the mixture**

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

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.