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

1.1 Product identifier
   Trade name: BA 3 MICROBIOCIDE

1.2 Recommended use of the chemical and restrictions on use
   Use of the Substance/Mixture: Biocidal product
   Cooling water treatment
   Recommended restrictions on use: Restricted to professional users.

1.3 Details of the supplier of the safety data sheet
   gwk Gesellschaft Wärme Kältetechnik mbH
   Scherl 10
   D-58540 Meinerzhagen
   www.gwk.com
   info@gwk.com

1.4 Emergency telephone number
   Berlin +49 (0)30 / 306 867 90
   Product Information
   Contact your local representative

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

   Classification (REGULATION (EC) No 1272/2008)
   Skin corrosion, Category 1B
   H314: Causes severe skin burns and eye damage.
   Skin sensitisation, Category 1
   H317: May cause an allergic skin reaction.
   Chronic aquatic toxicity, Category 3
   H412: Harmful to aquatic life with long lasting effects.

2.2 Label elements

   Labelling (REGULATION (EC) No 1272/2008)
Hazard pictograms

Signal word: Danger

Hazard statements:
- H314: Causes severe skin burns and eye damage.
- H317: May cause an allergic skin reaction.
- H412: Harmful to aquatic life with long lasting effects.

Precautionary statements:

Prevention:
- P261: Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
- P273: Avoid release to the environment.
- P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:
- P303 + P361 + P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304 + P340 + P310: IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/ physician.
- P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Hazardous components which must be listed on the label:
- Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one (EINECS 247-500-7) and 2-methyl-2H-isothiazol-3-one (EINECS 220-239-6)

2.3 Other hazards

Additional advice
- No information available.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Classification (REGULATION (EC) No 1272/2008)</th>
<th>Concentration (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Magnesium nitrate</td>
<td>10377-60-3</td>
<td>Ox. Sol.3; H272</td>
<td>&gt;= 1 - &lt; 2,5</td>
</tr>
</tbody>
</table>
### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

**General advice**
- Move out of dangerous area.
- Consult a physician.
- Show this safety data sheet to the doctor in attendance.
- Do not leave the victim unattended.

**If inhaled**
- Move to fresh air.
- IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.
- Keep patient warm and at rest.
- If unconscious place in recovery position and seek medical advice.

**In case of skin contact**
- Remove contaminated clothing. If irritation develops, get medical attention.
- If on skin, rinse well with water.
- Wash contaminated clothing before re-use.

**In case of eye contact**
- In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- Continue rinsing eyes during transport to hospital.
- Remove contact lenses.
- Protect unharmed eye.

**If swallowed**
- Get medical attention immediately.

| Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one (EINECS 247-500-7) and 2-methyl-2H-isothiazol-3-one (EINECS 220-239-6) | 233-826-7 | Acute Tox.3; H301 Acute Tox.2; H310 Acute Tox.2; H330 Skin Corr.1B; H314 Skin Sens.1; H317 Aquatic Acute1; H400 Aquatic Chronic1; H410 | >= 1 - < 2,5 |
| Copper dinitrate | 3251-23-8 221-838-5 | Ox. Sol.2; H272 Acute Tox.4; H302 Skin Irrit.2; H315 Eye Irrit.2; H319 Aquatic Acute1; H400 Aquatic Chronic1; H410 | >= 0 - < 0,1 |

For explanation of abbreviations see section 16.
Do NOT induce vomiting.
Rinse mouth with water.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include:
- stomach or intestinal upset (nausea, vomiting, diarrhea)
- irritation (nose, throat, airways)

Risks: May cause an allergic skin reaction.
- Causes serious eye damage.
- Causes severe burns.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment: No hazards which require special first aid measures.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Water spray
- Foam
- Carbon dioxide (CO2)
- Dry chemical

Unsuitable extinguishing media: High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting: Do not allow run-off from fire fighting to enter drains or water courses.
- Hazardous combustion products: Nitrogen oxides (NOx)
- carbon dioxide and carbon monoxide
- hydrogen chloride
- Sulphur oxides

5.3 Advice for firefighters

Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus.
Specific extinguishing methods: Product is compatible with standard fire-fighting agents.

Further information: Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: Use personal protective equipment. Ensure adequate ventilation. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Comply with all applicable federal, state, and local regulations.

6.2 Environmental precautions

Environmental precautions: Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up: Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For further information see Section 8 and Section 13 of the safety data sheet. For further information see Section 8 and Section 13 of the safety data sheet.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling: Avoid formation of aerosol. Provide sufficient air exchange and/or exhaust in work rooms. Do not breathe vapours/dust. Do not smoke. Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used. Container hazardous when empty. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. Smoking, eating and drinking should be prohibited in the
application area.
For personal protection see section 8.
Dispose of rinse water in accordance with local and national regulations.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Hygiene measures : Wash hands before breaks and at the end of workday. When using do not eat or drink. Ensure that eyewash stations and safety showers are close to the workstation location. When using do not smoke.

7.2 Conditions for safe storage, including any incompatibilities
Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.

Storage class (TRGS 510) : 8B, Non-combustible, corrosive hazardous materials
Other data : No decomposition if stored and applied as directed.

7.3 Specific end use(s)
Specific use(s) : No data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Value type (Form of exposure)</th>
<th>Control parameters</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one (EINECS 247-500-7) and 2-methyl-2H-isothiazol-3-one (EINECS 220-239-6)</td>
<td>55965-84-9</td>
<td>TWA</td>
<td>0,076 mg/m³</td>
<td>SUPLR EXP</td>
</tr>
<tr>
<td></td>
<td></td>
<td>STEL</td>
<td>0,23 mg/m³</td>
<td>SUPLR EXP</td>
</tr>
</tbody>
</table>

Further information 5-chloro-2-methyl-2H-isothiazolin-3-one

| TWA | 1,5 mg/m³ | SUPLR EXP |
8.2 Exposure controls

Engineering measures
Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

Personal protective equipment

Eye protection: Wear chemical splash goggles and face shield when there is potential for exposure of the eyes or face to liquid, vapor or mist. Maintain eye wash station in immediate work area.

Hand protection

Remarks: Nitrile rubber
The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Skin and body protection: Wear as appropriate:
- impervious clothing
- Chemical resistant apron
- Safety shoes
- Choose body protection according to the amount and concentration of the dangerous substance at the work place.
- Discard gloves that show tears, pinholes, or signs of wear.

Respiratory protection: In the case of vapour formation use a respirator with an approved filter.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: Aqueous solution
Colour: green
Odour: odourless
Odour Threshold: No data available
**pH**: 3.5  
**Melting point/freezing point**: < -3 °C  
**Boiling point/boiling range**: 100 °C  
(1,013 hPa)  
**Flash point**: Not applicable  
**Evaporation rate**: Not relevant to the classification and hazards of the substance or mixture.  
**Flammability (solid, gas)**:  
No data available  
**Burning rate**: Not relevant to the classification and hazards of the substance or mixture.  
**Upper explosion limit**: No data available  
**Lower explosion limit**: Not relevant to the classification and hazards of the substance or mixture.  
**Vapour pressure**: 23.33 hPa (20 °C)  
**Relative vapour density**: No data available  
**Relative density**: ca. 1.021 (20.00 °C)  
**Density**: ca. 1.021 g/cm³ (20.00 °C)  
**Bulk density**: Not relevant to the classification and hazards of the substance or mixture.  
**Solubility(ies)**:  
**Water solubility**: soluble  
**Solubility in other solvents**: No data available  
**Partition coefficient: n-octanol/water**: Not relevant to the classification and hazards of the substance or mixture.  
**Thermal decomposition**: Not relevant to the classification and hazards of the substance or mixture.
Viscosity
Viscosity, dynamic : < 50 mPa.s
Viscosity, kinematic : Not relevant to the classification and hazards of the substance or mixture.

Explosive properties : Not explosive
Oxidizing properties : Not relevant to the classification and hazards of the substance or mixture.

9.2 Other information
No data available

SECTION 10: Stability and reactivity

10.1 Reactivity
No decomposition if stored and applied as directed.

10.2 Chemical stability
Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions
Hazardous reactions : Product will not undergo hazardous polymerization.

10.4 Conditions to avoid

10.5 Incompatible materials
Materials to avoid : Dimethylformamide
                   : Organic materials

10.6 Hazardous decomposition products
Hazardous decomposition products : carbon dioxide and carbon monoxide
                                   : hydrogen chloride
                                   : Nitrogen oxides (NOx)
                                   : Sulphur oxides

SECTION 11: Toxicological information

11.1 Information on toxicological effects
Information on likely routes of exposure : Inhalation
                                        : Skin contact
                                        : Eye Contact
                                        : Ingestion
Acute toxicity
Not classified based on available information.

**Product:**

- **Acute oral toxicity**: LD 50 (Rat): 4.400 mg/kg
- **Acute inhalation toxicity**: LC 50 (Rat): 12.3 mg/l
  - Exposure time: 4 h
  - Test atmosphere: dust/mist
- **Acute dermal toxicity**: LD 50 (Rat): > 2.000 mg/kg

**Components:**

**MAGNESIUM NITRATE ANHYDROUS:**

- **Acute oral toxicity**: LD 50 (Rat): 5.440 mg/kg
- **Acute dermal toxicity**: LD 50 (Rat): > 5.000 mg/kg
  - Remarks: Information given is based on data obtained from similar substances.

**Components:**

**Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one:**

- **Acute oral toxicity**: LD 50 (Rat): 49.6 - 75 mg/kg
- **Acute inhalation toxicity**: LC 50 (Rat): 0.33 mg/l
  - Exposure time: 4 h
  - Test atmosphere: dust/mist
  - Remarks: Aerosol
- **Acute dermal toxicity**: LD 50 (Rabbit): 141 mg/kg

**Components:**

**CUPRIC (II) NITRATE ANHYDROUS:**

- **Acute oral toxicity**: LD 50 (Rat): 794 mg/kg

**Skin corrosion/irritation**
Causes severe burns.

**Product:**

- **Result**: Corrosive to skin

- **Remarks**: May cause skin irritation in susceptible persons., Causes severe skin burns and eye damage.

- **Result**: Repeated exposure may cause skin dryness or cracking.
Components:

MAGNESIUM NITRATE ANHYDROUS:
Result: Slightly irritating to skin

Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one:
Species: Rabbit
Result: Corrosive to skin

CUPRIC (II) NITRATE ANHYDROUS:
Result: Irritating to skin

Serious eye damage/eye irritation
Causes serious eye damage.

Product:
Result: Corrosive to eyes

Remarks: May cause irreversible eye damage.

Components:

MAGNESIUM NITRATE ANHYDROUS:
Result: Slightly irritating to eyes

Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one:
Species: Rabbit
Result: Corrosive to eyes

CUPRIC (II) NITRATE ANHYDROUS:
Result: Severely irritating to eyes

Respiratory or skin sensitisation
Skin sensitisation: May cause an allergic skin reaction.
Respiratory sensitisation: Not classified based on available information.

Product:
Assessment: May cause sensitization by skin contact.
Remarks: May cause allergic skin reaction.

Components:

Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one:
Assessment: May cause sensitization by skin contact.

Germ cell mutagenicity
Not classified based on available information.

Carcinogenicity
Not classified based on available information.
12.1 Toxicity

**Components:**
Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one (EINECS 247-500-7) and 2-methyl-2H-isothiazol-3-one (EINECS 220-239-6)

**Toxicity to fish:**
- LC 50 (Oncorhynchus mykiss (rainbow trout)): 0.19 mg/l
- Exposure time: 96 h
- LC 50 (Lepomis macrochirus (Bluegill sunfish)): 0.28 mg/l
- Exposure time: 96 h

**Toxicity to daphnia and other aquatic invertebrates:**
- EC 50 (Water flea (Daphnia magna)): 0.16 mg/l
- Exposure time: 48 h

**Toxicity to algae:**
- ErC50 (Pseudokirchneriella subcapitata (green algae)): 0.027 mg/l
- Exposure time: 72 h

**M-Factor (Acute aquatic toxicity):**
10

**Toxicity to bacteria:**
- EC 50 (activated sludge): 4.5 mg/l
- Test Type: Respiration inhibition

**M-Factor (Chronic aquatic):**
1
Toxicity to fish:

- LC 50 (Bluegill (Lepomis macrochirus)): 0.62 mg/l
  - Exposure time: 96 h
  - Test Type: flow-through test

- LC 50 (Zebra danio (Danio rerio)): 0.17 - 0.26 mg/l
  - Exposure time: 72 h
  - Test Type: static test

Toxicity to daphnia and other aquatic invertebrates:

- EC 50 (Water flea (Daphnia magna)): 0.04 - 0.06 mg/l
  - Exposure time: 24 h
  - Test Type: static test

M-Factor (Acute aquatic toxicity): 10
M-Factor (Chronic aquatic toxicity): 1

12.2 Persistence and degradability

**Components:**
Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one (EINECS 247-500-7) and 2-methyl-2H-isothiazol-3-one (EINECS 220-239-6)

**Biodegradability:**
- Biodegradation: 30%
- Exposure time: 28 d
- Method: OECD Test Guideline 301B
- Remarks: Not readily biodegradable.

12.3 Bioaccumulative potential

**Product:**
Bioaccumulation: Remarks: The bioaccumulation potential cannot be determined.

**Components:**
Copper dinitrate
Bioaccumulation: Species: Carp (Cyprinus carpio)
- Exposure time: 28 d
- Concentration: 0.028 mg/l
- Bioconcentration factor (BCF): 1.460,7
- Method: Renewal

12.4 Mobility in soil
No data available
12.5 Results of PBT and vPvB assessment
   Not relevant

12.6 Other adverse effects
   **Product:**
   Additional ecological information: An environmental hazard cannot be excluded in the event of
   unprofessional handling or disposal., Toxic to aquatic life.,
   Harmful to aquatic life with long lasting effects.

---

**SECTION 13: Disposal considerations**

13.1 Waste treatment methods
   **Product:**
   The product should not be allowed to enter drains, water courses or the soil.
   Do not contaminate ponds, waterways or ditches with chemical or used container.
   Send to a licensed waste management company.

   **Contaminated packaging:**
   Empty remaining contents.
   Dispose of as unused product.
   Empty containers should be taken to an approved waste handling site for recycling or disposal.
   Do not re-use empty containers.

---

**SECTION 14: Transport information**

14.1 UN number

ADR: UN3265
ADNR: UN3265
RID: UN3265
INTERNATIONAL MARITIME DANGEROUS GOODS: UN3265
INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO: UN3265
INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER: UN3265

14.2 UN proper shipping name

ADR: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE / 2-METHYL-4-ISOTHIAZOLIN-3-ONE (3:1))
ADNR: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE / 2-METHYL-4-ISOTHIAZOLIN-3-ONE (3:1))
RID: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE / 2-METHYL-4-ISOTHIAZOLIN-3-ONE (3:1))
INTERNATIONAL MARITIME DANGEROUS GOODS: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE / 2-METHYL-4-ISOTHIAZOLIN-3-ONE (3:1))
INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO: Corrosive liquid, acidic, organic, n.o.s. (5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE / 2-METHYL-4-ISOTHIAZOLIN-3-ONE (3:1))
INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER: Corrosive liquid, acidic, organic, n.o.s. (5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE / 2-METHYL-4-ISOTHIAZOLIN-3-ONE (3:1))

14.3 Transport hazard class(es)
ADR: 8
ADNR: 8
RID: 8
INTERNATIONAL MARITIME DANGEROUS GOODS: 8
INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO: 8
INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER: 8

14.4 Packing group
ADR: III
ADNR: III
RID: III
INTERNATIONAL MARITIME DANGEROUS GOODS: III
INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO: III
INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER: III

14.5 Environmental hazards
ADR: Not applicable
ADNR: Not applicable
RID: Not applicable
INTERNATIONAL MARITIME DANGEROUS GOODS: Not applicable
INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO: Not applicable
INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER: Not applicable

14.6 Special precautions for user
Not applicable

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Ship Type: Not applicable
Hazard code(s): Not applicable
Pollutant: Not applicable
Category: Not applicable

Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.
SECTION 15: Regulatory information

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

- REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 57): Not applicable
- REACH - List of substances subject to authorisation (Annex XIV): Not applicable
- REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII): Not applicable
- Regulation (EC) No 850/2004 on persistent organic pollutants: Not applicable
- Watercontaminating class (Germany): WGK 2 water endangering
- TA Luft List (Germany): Total dust, Not applicable
  - Inorganic substances in powdered form, Class 3 0,02 %
  - Inorganic substances in vapour or gaseous form, Not applicable
  - Organic Substances, Class 1 1,49 %, Class 2 0,03 %
  - Carcinogenic substances, Not applicable
  - Mutagenic, Not applicable
  - Toxic to reproduction, Not applicable
- Other regulations: Young people under 18 years old are not allowed to work with this product according to the EU Directive 94/33/EC on the protection of young people at work.
- Biocides: N-63678
The components of this product are reported in the following inventories:

TSCA : On TSCA Inventory

DSL All components of this product are on the Canadian DSL.

AUSTR On the inventory, or in compliance with the inventory

ENCS On the inventory, or in compliance with the inventory

KECL On the inventory, or in compliance with the inventory

PHIL On the inventory, or in compliance with the inventory

IECSC On the inventory, or in compliance with the inventory

15.2 Chemical Safety Assessment

No data available

SECTION 16: Other information

Further information
Revision Date: 12.01.2016

Full text of H-Statements referred to under sections 2 and 3.

H272 May intensify fire; oxidiser.
H301 Toxic if swallowed.
H302 Harmful if swallowed.
H310 Fatal in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H330 Fatal if inhaled.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

Further information
Other information : The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.
Sources of key data used to compile the Safety Data Sheet
The UNECE administers regional agreements implementing harmonised classification for labelling (GHS) and transport.

List of abbreviations and acronyms that could be, but not necessarily are, used in this safety data sheet:

ACGIH : American Conference of Industrial Hygienists
BEI : Biological Exposure Index
CAS : Chemical Abstracts Service (Division of the American Chemical Society).
CMR : Carcinogenic, Mutagenic or Toxic for Reproduction
FG : Food grade
GHS : Globally Harmonized System of Classification and Labeling of Chemicals.
H-statement : Hazard Statement
IATA : International Air Transport Association.
IATA-DGR : Dangerous Goods Regulation by the “International Air Transport Association” (IATA).
ICAO : International Civil Aviation Organization
ICAO-TI (ICAO) : Technical Instructions by the “International Civil Aviation Organization”
IMDG : International Maritime Code for Dangerous Goods
ISO : International Organization for Standardization
logPow : octanol-water partition coefficient
LCxx : Lethal Concentration, for xx percent of test population
LDxx : Lethal Dose, for xx percent of test population.
ICxx : Inhibitory Concentration for xx of a substance
Ecxx : Effective Concentration of xx
N.O.S. : Not Otherwise Specified
OECD : Organization for Economic Co-operation and Development
OEL : Occupational Exposure Limit
P-Statement : Precautionary Statement
PBT : Persistent, Bioaccumulative and Toxic
PPE : Personal Protective Equipment
STEL : Short-term exposure limit
STOT : Specific Target Organ Toxicity
TLV : Threshold Limit Value
TWA : Time-weighted average
vPvB : Very Persistent and Very Bioaccumulative
WEL : Workplace Exposure Level

ABM : Water Hazard Class for the Netherlands
ADR : Agreement concerning the International Carriage of Dangerous Goods by Road.
ADNR : Regulation for the Carriage of Dangerous Substances on the Rhine
CLP : Classification, Labelling and Packaging
CSA : Chemical Safety Assessment
CSR : Chemical Safety Report
<table>
<thead>
<tr>
<th>Revisions-Nr.</th>
<th>Trade name: BA 3</th>
</tr>
</thead>
</table>

DNEL : Derived No Effect Level.
EINECS : European Inventory of Existing Commercial Chemical Substances.
ELINCS : European List of Notified Chemical Substances
PEC : Predicted Effect Concentration
PEL : Permissible Exposure Limits
PNEC : Predicted No Effect Concentration
R-phrase : Risk phrase
REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals
RID : Regulation Concerning the International Transport of Dangerous Goods by Rail
S-phrase: Safety phrase
WGK : German Water Hazard Class