

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 14.07.2014

Version number 16

Revision: 14.07.2014

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

1.1 Product identifier

Product name: **Urea Reagent 1**

Catalog number: 459300

1.2 Relevant identified uses of the substance or mixture and uses advised against
No further relevant information available.

Application of the substance / the preparation: Reagent for water analysis

1.3 Details of the supplier of the safety data sheet

Supplier:

Tintometer GmbH
Division AQUALYTIC®
Schleefstr. 12
DE-44287 Dortmund
Made in Germany
www.aqualytic.de

phone: +49(0)231 94510-755
e-mail: sales@aqualytic.de

Informing department:

e-mail: produktsicherheit@tintometer.de
Product Safety Department

Contact for technical details:

Technical Department
e-mail: technik@tintometer.de

1.4 Emergency telephone number:

Poison Center Berlin, Germany
phone: 0049-30 30686 790

2 Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

The product is not classified as hazardous according to the CLP regulation.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC Void

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 Void

Hazard pictograms Void

Signal word Void

Hazard statements Void

3 Composition/information on ingredients

3.2 Mixtures aqueous solution

Dangerous components: Void

REACH - Pre-registered substances All components are REACH pre-registered.

4 First aid measures

4.1 Description of first aid measures

General information No special measures required.

After inhalation Supply fresh air; consult doctor in case of symptoms.

After skin contact Instantly rinse with water.

After eye contact Rinse opened eye for several minutes (at least 10 min) under running water.

After swallowing Rinse out mouth and then drink 1-2 glasses of water.

4.2 Most important symptoms and effects, both acute and delayed: No further relevant information available.

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- **4.3 Indication of any immediate medical attention and special treatment needed:** No further relevant information available.
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5 Firefighting measures

- **5.1 Extinguishing media**
 - **Suitable extinguishing agents** Use fire fighting measures that suit the environment.
 - **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
 - **5.3 Advice for firefighters**
 - **Protective equipment:**
 - Wear self-contained breathing apparatus.
 - Wear full protective suit.
 - **Additional information**
 - Collect contaminated fire fighting water separately. It must not enter drains.
 - Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.
 - Ambient fire may liberate hazardous vapours.
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6 Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
 - Wear protective equipment. Keep unprotected persons away.
 - **6.2 Environmental precautions:**
 - Do not allow product to reach sewage system or water bodies.
 - Dilute with much water.
 - **6.3 Methods and material for containment and cleaning up:**
 - Dispose of contaminated material as waste according to item 13.
 - Ensure adequate ventilation.
 - Absorb with liquid-binding material (sand, diatomite, universal binders).
 - **6.4 Reference to other sections**
 - No dangerous materials are released.
 - See Section 7 for information on safe handling
 - See Section 8 for information on personal protection equipment.
 - See Section 13 for information on disposal.
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* 7 Handling and storage

- **7.1 Precautions for safe handling** No special measures required.
 - **Information about protection against explosions and fires:** The product is not flammable
 - **7.2 Conditions for safe storage, including any incompatibilities**
 - **Storage**
 - **Requirements to be met by storerooms and containers:** Store in cool location.
 - **Information about storage in one common storage facility:** Not required.
 - **Further information about storage conditions:**
 - Protect from heat and direct sunlight.
 - Protect from humidity and keep away from water.
 - Protect from the effects of light.
 - **Recommended storage temperature:** Do not store below 10 °C
 - **Storage class** 12
 - **7.3 Specific end use(s)** No further relevant information available.
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* 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **8.1 Control parameters**
- **Components with limit values that require monitoring at the workplace:**
 - The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the compilation were used as basis.

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- **8.2 Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures**
Wash hands during breaks and at the end of the work.
Do not eat, drink or smoke while working.
- **Breathing equipment:** Use breathing protection against the effects of fumes/dust/aerosol.
- **Protection of hands:**
No chemical-protective gloves required.
Preventive skin protection by use of skin-protecting agents is recommended.
- **Eye protection:** use against the effects of fumes / dust
- **Body protection:** Protective work clothing.

9 Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· Appearance:

Form:	Fluid
Colour:	Colourless
Odour:	Odourless

· pH-value at 20 °C: 7

· Melting point/Melting range: 0 °C

· Boiling point/Boiling range: 100 °C

· Flash point: Not applicable

· Danger of explosion: Product is not explosive.

· Density at 20 °C 1 g/cm³

· Vapour density Not determined.

· Evaporation rate Not determined.

· Solubility in / Miscibility with

Water: Fully miscible

· Solvent content:

Organic solvents: 0.0 %

Water: > 99.9 %

Solids content: < 0.1 %

· 9.2 Other information No further relevant information available.

10 Stability and reactivity

· Reactivity

· **Thermal decomposition / conditions to be avoided:** To avoid thermal decomposition do not overheat.

· **Conditions to avoid** No further relevant information available.

· **Incompatible materials:** No further relevant information available.

· **Hazardous decomposition products:** see chapter 5

*11 Toxicological information

· 11.1 Information on toxicological effects

· **Acute toxicity:** Quantitative data on the toxicity of the preparation are not available.

· Primary irritant effect:

· **on the skin:** No irritant effect.

· **on the eye:** No irritant effect.

· **Sensitization:** No sensitizing effect known.

· Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

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The material is not subject to classification according to EC lists in the last version.

The usual precautionary measures should be adhered to general rules for handling chemicals.

- **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)** no data available

* 12 Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **Other information:** Quantitative data on the ecological effect of this product are not available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **Behaviour in environmental systems:**
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:** Mixture: Generally not hazardous for water.
- **12.6 Other adverse effects** No further relevant information available.

13 Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.

- **European waste catalogue**

16 05 09	discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08
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- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleaning agent:** Water, if necessary with cleaning agent.

14 Transport information

<ul style="list-style-type: none"> · 14.1 UN-Number · ADR, ADN, IMDG, IATA 	Void
<ul style="list-style-type: none"> · 14.2 UN proper shipping name · ADR, ADN, IMDG, IATA 	Void
<ul style="list-style-type: none"> · 14.3 Transport hazard class(es) · ADR, ADN, IMDG, IATA · Class 	Void
<ul style="list-style-type: none"> · 14.4 Packing group · ADR, IMDG, IATA 	Void
<ul style="list-style-type: none"> · 14.5 Environmental hazards: · Marine pollutant: 	No
<ul style="list-style-type: none"> · 14.6 Special precautions for user 	Not applicable.
<ul style="list-style-type: none"> · 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code 	Not applicable.
<ul style="list-style-type: none"> · Transport/Additional information: 	Not dangerous according to the above specifications.

* 15 Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Water hazard class:** Generally not hazardous for water.

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- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.
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16 Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Abbreviations and acronyms:**

EC50: effective concentration, 50 percent (in vivo)

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

- *** Data compared to the previous version altered.**
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