

**WTW Safety Data Sheet**  
According to EC Directives 91/155/EEC

**1. Identification of the substance/preparation and of the company/undertaking**

*Product name:*

**Na<sub>2</sub>EDTA for 10 l of reagent A 100**

**Ord. No.: 830 030**

**Model: KM-A100**

*Manufacturer:*

WTW Wissenschaftlich-Technische Werkstätten GmbH, Dr.-Karl-Slevogt-Straße 1, D-82362 Weilheim, Germany, Tel.: +49(0)881 183-0, Fax.: +49(0)881 183-420

Emergency telephone:  
(001)-703-527-3887

**2. Composition/information on ingredients**

*Chemical characterization:* Salt of organic acid - white powder.

*Hazardous ingredients:* Ethylenediaminetetraacetic acid disodium salt

*Hazard symbols:* No hazardous product

*R-phrases:* /

*Content:* 100 %

*CAS-No.:* 6381-92-6

*EINECS-No.* 205-358-3

**3. Hazards identification**

No hazardous product.

**4. First aid measures**

*After inhalation:* Fresh air

*After skin contact:* Wash off with plenty of water.  
Remove contaminated clothing.

*After eye contact:* Rinse out with plenty of water with the eyelid held wide open.

*After ingestion:* Wash out the mouth. Drink plenty of water.  
Immediately consult doctor .

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### 5. Fire-fighting measures

|                                        |                                                                                                     |
|----------------------------------------|-----------------------------------------------------------------------------------------------------|
| <i>Suitable extinguishing media:</i>   | Water, foam, powder.                                                                                |
| <i>Unsuitable extinguishing media:</i> | Carbon dioxide (CO <sub>2</sub> )                                                                   |
| <i>Special risks:</i>                  | Danger of dust explosion<br>Generation of dusts possible.<br>Use selfcontained breathing apparatus. |
| <i>Other information:</i>              | Combustible                                                                                         |

### 6. Accidental release measures

|                                                 |                                                                          |
|-------------------------------------------------|--------------------------------------------------------------------------|
| <i>Personal-related precautionary measures:</i> | Avoid substance contact.<br>Do not inhale dusts.                         |
| <i>Environmental-protection measures:</i>       | Avoid generation of dusts.<br>Do not allow to enter sewerage system.     |
| <i>Procedures for cleaning/absorption:</i>      | Take up dry. Forward for disposal.<br>Clean up affected area with water. |

### 7. Handling and storage

|                  |                                          |
|------------------|------------------------------------------|
| <i>Handling:</i> | No further requirements.                 |
| <i>Storage:</i>  | Tightly closed. Dry at room temperature. |

### 8. Exposure control/personal protection

|                                     |                                                   |
|-------------------------------------|---------------------------------------------------|
| <i>Specific control parameters:</i> | None                                              |
| Personal protective equipment       |                                                   |
| <i>Respiratory protection:</i>      | Required when dusts are generated.                |
| <i>Eye protection:</i>              | Protective glasses                                |
| <i>Hand protection:</i>             | Gloves (nitrile rubber)                           |
| <i>Industrial hygiene:</i>          | Wash hands and face after working with substance. |

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### 9. Physical and chemical properties

|                                |                         |                         |
|--------------------------------|-------------------------|-------------------------|
| <i>Form:</i> Solid             | <i>Colour:</i> White    | <i>Odour:</i> Odourless |
| <i>pH-value</i>                | °C                      |                         |
| <i>Melting temperature:</i>    | 244-246°C               |                         |
| <i>Boiling temperature:</i>    | °C                      |                         |
| <i>Ignition temperature:</i>   | °C                      |                         |
| <i>Flash point:</i>            | °C                      |                         |
| <i>Explosion limite lower:</i> | Dust explosion possible |                         |
| <i>upper:</i>                  | /                       |                         |
| <i>Density:</i>                | /                       |                         |
| <i>Solubility in water:</i>    | 100 g/l at 20°C         |                         |
| <i>Thermal decomposition:</i>  | > 246°C                 |                         |

### 10. Stability and reactivity

|                                          |                                               |
|------------------------------------------|-----------------------------------------------|
| <i>Conditions to be avoided:</i>         | Strong heating                                |
| <i>Substances to be avoided:</i>         | No information available                      |
| <i>Hazardous decomposition products:</i> | No information available                      |
| <i>Further information:</i>              | Release water of crystallization when heated. |

### 11. Toxicological information

|                                           |                                                                                                                                                                                                                 |
|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Acute toxicity:</i>                    | LD50 (oral, rat): 2000 mg/kg                                                                                                                                                                                    |
| <i>Further toxicological information:</i> | After ingestion: harmful, slow absorption, disturbed electrolyte balance.<br>Further hazardous properties cannot be excluded.<br>The product should be handled with the care usual when dealing with chemicals. |

### 12. Ecological information

|                          |                                                                                                                                                                        |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Ecotoxic effects:</i> | Biological effects: Fish L. macrochirus<br>LD50: 159 mg/l/96 h. Degradability: BOD5: 0,01 g/g.<br>Do not allow to enter drinking water supplies, waste water, or soil. |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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## 13. Disposal considerations

*Products:* There are no uniform regulations for the disposal of chemicals or residues. The disposal is regulated through corresponding regional laws and regulations. We recommend that you contact either the authorities in charge or approved waste disposal companies which will advise you on how to dispose the special waste.

*Packaging:* Handle contaminated packaging in the same way as the substance itself. If not officially specified differently, noncontaminated packaging may be treated like household waste or recycled.

## 14. Transport information

Not subject to transport regulations.

## 15. Regulatory information

Labelling according to EC directives

*Symbol:* No hazardous product  
*R-phrases:* /  
*S-phrases:* /

German regulations

*Water pollution class;* WGK: 2 Polluting substance  
*Storage class VCI:* 11  
*Regulation on combustible liquids;* VbF: /  
*Other regulations:* None

## 16. Other information

Date of issue: 15.07.2006  
Supersedes edition of 18.02.2004  
Reason for alteration: General update

The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.