

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

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

*Product name:*

**Standard B 0.4 mg/l NO<sub>2</sub>-N**

**Ord. No.: 821 117**

**Model: S/B-N 511**

*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:* Aqueous saline solution

*Hazardous ingredients:* Sodium nitrite

*Hazard symbols:* Oxidizing (O) , toxic (T) and dangerous for the environment (N)

*R-phrases:* 8-25-50

*Content:* < 0,001 %

*CAS-No.:* 7632-00-0

*EINECS-No.:* 231-555-9

**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:* Drink plenty of water. Induce vomiting.  
Immediately summon doctor.

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#### 5. Fire-fighting measures

<i>Suitable extinguishing media:</i>	To suit environment
<i>Unsuitable extinguishing media:</i>	No information available.
<i>Special risks:</i>	None
<i>Other information:</i>	Non combustible.

#### 6. Accidental release measures

<i>Personal-related precautionary measures:</i>	None
<i>Environmental-protection measures:</i>	None
<i>Procedures for cleaning/absorption:</i>	Clean up affected area with water

#### 7. Handling and storage

<i>Handling:</i>	No further requirements.
<i>Storage:</i>	Tightly closed and cool Protected from light.

#### 8. Exposure control/personal protection

<i>Specific control parameters:</i>	None
Personal protective equipment	
<i>Respiratory protection:</i>	Not required
<i>Eye protection:</i>	Protective glasses
<i>Hand protection:</i>	Gloves (nitrile rubber)
<i>Industrial hygiene:</i>	Wash hands and face after working with solution

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### 9. Physical and chemical properties

<i>Form:</i> Liquid	<i>Colour:</i> Colourless	<i>Odour:</i> Odourless
<i>pH-value</i>	°C	
<i>Melting temperature:</i>	about 0°C	
<i>Boiling temperature:</i>	about 100°C	
<i>Ignition temperature:</i>	°C	
<i>Flash point:</i>	°C	
<i>Explosion limite lower:</i>	/	
<i>                                  upper:</i>	/	
<i>Density:</i>	1,0 g/cm <sup>3</sup>	
<i>Solubility in water:</i>	miscible	
<i>Thermal decomposition:</i>	/	

### 10. Stability and reactivity

<i>Conditions to be avoided:</i>	No information available
<i>Substances to be avoided:</i>	Oxidizing and reducing reagents
<i>Hazardous decomposition products:</i>	No information available
<i>Further information:</i>	None

### 11. Toxicological information

<i>Acute toxicity:</i>	LD 50 (oral): 85 mg/kg for sodium nitrite.
<i>Further toxicological information:</i>	Sodium nitrite is toxic but the very little concentration of this compound makes unlikely a risk for human being.

### 12. Ecological information

<i>Ecotoxic effects:</i>	The standard is toxic for lower aquatic organisms. Fish toxicity: 0.2 mg/l sodium nitrite.
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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;* Nonpolluting substance  
*Storage class:* 5.1 B  
*Regulation on combustible liquids;* VbF: Non combustible  
*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.