

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 N 501 0.4 mg/l NO₂ -N

Ord. No.: 830 068

Model: PK/N 501- 0,4

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

Suitable extinguishing media: To suit environment

Unsuitable extinguishing media: No information available.

Special risks: None

Other information: None

6. Accidental release measures

Personal-related precautionary measures: None

Environmental-protection measures: None

Procedures for cleaning/absorption: Clean up affected area with water

7. Handling and storage

Handling: No further requirements.

Storage: Tightly closed and cool.
Protected from light.

8. Exposure control/personal protection

Specific control parameters: None

Personal protective equipment

Respiratory protection: Not required

Eye protection: Protective glasses

Hand protection: Gloves (nitrile rubber)

Industrial hygiene: 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 ³	
<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 VCI: 5.1
Regulation on combustible liquids; VbF: Non combustible
Other regulations: None

16. Other information

Date of issue: 15.07.2006
Supersedes edition of 23.02.2004
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.