

According to EC Directive 91/155/EEC

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

### Identification of the product

Catalogue No.: 119899

Product name: Nitrite standard solution traceable to SRM from NIST NaNO<sub>2</sub> in H<sub>2</sub>O 1000 mg/l NO<sub>2</sub><sup>-</sup> CertiPUR®

### Manufacturer/supplier identification

Company: Merck KGaA \* 64271 Darmstadt \* Germany \* Tel: +49 (0)6151/72-0

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## 2. Composition/information on ingredients

Aqueous solution.

### Synonyms

Nitrite standard for aqueous matrices ready for use

### Hazardous ingredients:

Name according to EC Directives: Sodium nitrite

Hazard symbols: O T N R-phrases: 8-25-50

EC-Index-No.: 007-010-00-4 Contact with combustible material may cause fire. Toxic if swallowed. Very toxic to aquatic organisms.

CAS-No.: 7632-00-0 Content: ≥ 0.1 - 1 %

## 3. Hazards identification

No hazardous product as specified in Directive 67/548/EEC.

## 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 water.

After swallowing: make victim drink plenty of water, induce vomiting. Summon doctor if feeling unwell.

## 5. Fire-fighting measures

Suitable extinguishing media:

In adaption to materials stored in the immediate neighbourhood.

Special risks:

Non-combustible.

Other information:

Prevent fire-fighting water from entering surface water or groundwater.

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## 6. Accidental release measures

Person-related precautionary measures:  
Do not inhale vapours/aerosols.

Environmental-protection measures:  
Do not allow to enter sewerage system.

Procedures for cleaning / absorption:  
Take up with liquid-absorbent material (e.g. Chemizorb®). Forward for disposal. Clean up affected area.

## 7. Handling and storage

### Handling:

No further requirements.

### Storage:

Tightly closed. At +15°C to +25°C.

## 8. Exposure controls/personal protection

### Personal protective equipment:

Respiratory protection: required when vapours/aerosols are generated.

Eye protection: required

Hand protection: Use recommended

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

### Industrial hygiene:

Change contaminated clothing. Wash hands after working with substance.

## 9. Physical and chemical properties

Form: liquid  
Colour: colourless  
Odour: odourless

pH value (20 °C) ~ 7

Melting point not available  
Boiling point not available

Ignition temperature not available  
Flash point not available

Explosion limits lower not available  
upper not available

Relative vapour density not available

Density not available

Solubility in not available

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**10. Stability and reactivity***Conditions to be avoided*

no information available

*Substances to be avoided*

no information available

*Hazardous decomposition products*

no information available

**11. Toxicological information***Acute toxicity*

LD<sub>50</sub> (oral, rat): 85 mg/kg (anhydrous substance) .

*Further toxicological information*

Hazardous properties cannot be excluded but are unlikely when the product is handled appropriately.

*Further data*

The product should be handled with the care usual when dealing with chemicals.

**12. Ecological information**

## Ecotoxic effects:

Quantitative data on the ecological effect of this product are not available.

## Further ecologic data:

Depending on the concentration, nitrogen compounds may contribute to the eutrophication of water supplies.

No ecological problems are to be expected when the product is handled and used with due care and attention.

**13. Disposal considerations***Product:*

There are no harmonised regulations on the disposal of chemicals in the member states of the EU. In Germany, the Recycling and Waste Management Act (KrW-/AbfG) stipulates recycling as a requirement. This means that a distinction must be made between "wastes for recycling" and "wastes for disposal". Particular aspects - in the main concerning delivery - are also governed by the Laender. Please contact the competent body (authority or waste disposal company) where you will obtain information on recycling or disposal.

*Packaging:*

Disposal in compliance with official regulations. Handle contaminated packaging in the same way as the substance itself. If not officially specified differently, non-contaminated packaging may be treated like household waste or recycled.

**14. Transport information**

Not subject to transport regulations.

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**15. Regulatory information***Labelling according to EC Directives*

Symbol: ---

R-phrases: ---

S-phrases: ---

*German regulations*

Water pollution class 1 (slightly polluting substance) (own classification)

Storage class VCI 10-13

*Other national regulations*

Swiss toxic class: 4

**16. Other information**

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*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.*