

## Nitrite No. 1

Pool-i.d. GmbH & Co. KG  
76344 Eggenstein-Leopoldshafen

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**1 Identification of the substance / preparation and of the company****Nitrite No. 1**

**Registration number:** not applicable  
**Use:** Reagent for analysis of water  
**Identified use:** none  
**Method of operation:** See product information.  
**Company:** Pool-i.d. GmbH & Co. KG  
 Daimlerstrasse 20  
 76344 Eggenstein-Leopoldshafen / DEUTSCHLAND  
 Phone: +49(0)721-782029-0  
 Fax: +49(0)721-782029-11  
 Homepage: www.pool-id.com  
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**Emergency phone:** +49 (0) 89-19240 (24h) (english)  
**Responsible:** Haensler@chemiebuero.de

**2 Hazards identification**

**Physico-chemical hazards:** See chapter 10.  
**Human health dangers:** See R-phrases.  
**Environmental hazards:** See chapter 12.  
**Other hazards:** none  
**Hazard symbols:**



Irritant

**R-phrases:** R 41: Risk of serious damage to eyes.

**3 Composition / Information on ingredients**

| Range [%] | Substance  |
|-----------|--|
| 40 - < 60 | Sodium hydrogensulphate  |
|           | Xi, R41  |
|           | CAS: 7681-38-1, EINECS/ELINCS: 231-665-7, EU-INDEX: 016-046-00-X, ECBnr: |

**Comment on component parts:** For the wording of the listed risk phrases refer to section 16.

**4 First aid measures**

**General information:** not applicable  
**Inhalation:** not applicable  
**Skin contact:** When in contact with the skin, clean with soap and water.  
 Consult a doctor if skin irritation persists.  
**Eye contact:** In case of contact with eyes rinse thoroughly and immediately with plenty of water and seek medical advice.  
**Ingestion:** Supply with medical care.  
 Rinse out mouth and give plenty of water to drink.  
**Advice to doctor:** Treat symptomatically.

**5 Fire-fighting measures**

**Suitable extinguishing media:** Product itself is non-combustible. Fire extinguishing method of surrounding areas must be considered.  
**Extinguishing media that must not be used:** Full water jet  
**Special exposure hazards arising from the substance or preparation itself or combustion products:** Unknown risk of formation of toxic pyrolysis products.  
**Special protective equipment for firefighters:** Use self-contained breathing apparatus.  
 Do not inhale explosion and/or combustion gases.  
**Additional information:** Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

**6 Accidental release measures**

**Personal precautions:** Use personal protective clothing.  
**Environmental precautions:** Do not discharge into the drains/surface waters/groundwater.  
**Methods for cleaning up:** Take up mechanically. Avoid production of dust.  
 Dispose of absorbed material in accordance with the regulations.

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**7 Handling and storage**

|   |  |
|---|--|
| <b>Advice on safe handling:</b>                         | No special measures necessary if used correctly.                           |
| <b>Advice on protection against fire and explosion:</b> | No special measures necessary.   |
| <b>Requirements for storage rooms and vessels:</b>      | Provide acid-resistant floor.<br><br>Keep only in original container.      |
| <b>Advice on storage compatibility:</b>                 | Do not store together with oxidizing agents.<br>Do not store with alkalis. |
| <b>Further information on storage conditions:</b>       | Keep container tightly closed.<br>Store in a dry place.                    |

**8 Exposure controls / personal protection**

|   |  |
|---|--|
| <b>Additional advice on system design:</b>                            | not applicable   |
| <b>Ingredients with occupational exposure limits to be monitored:</b> | not applicable   |
| <b>Respiratory protection:</b>  | not applicable   |
| <b>Hand protection:</b>   | Butyl rubber, >120 min (EN 374).   |
| <b>Eye protection:</b>  | safety glasses   |
| <b>Skin protection:</b>   | not applicable   |
| <b>General protective measures:</b>                                   | Avoid contact with eyes and skin.<br><br>Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of these equipments to chemicals should be ascertained with the respective sup |
| <b>Hygiene measures:</b>  | Wash hands before breaks and after work.<br>Use barrier skin cream.  |
| <b>Delimitation and monitoring of the environmental exposition:</b>   | not determined   |

**9 Physical and chemical properties**

|   |                               |
|---|-------------------------------|
| <b>Form:</b>                                      | tablet                        |
| <b>Color:</b>                                     | white<br>violet<br>light grey |
| <b>Odor:</b>                                      | odourless                     |
| <b>pH-value:</b>                                  | 1,9 (1,3g/100ml)              |
| <b>pH-value (1 %):</b>                            | not determined                |
| <b>Boiling point [°C]:</b>                        | not determined                |
| <b>Flash point [°C]:</b>                          | not applicable                |
| <b>Flammability [°C]:</b>                         | not applicable                |
| <b>Lower explosion limit:</b>                     | not applicable                |
| <b>Upper explosion limit:</b>                     | not applicable                |
| <b>Oxidizing properties:</b>                      | no                            |
| <b>Vapour pressure [kPa]:</b>                     | not applicable                |
| <b>Density [g/ml]:</b>                            | not determined                |
| <b>Bulk density [kg/m³]:</b>                      | not determined                |
| <b>Solubility in water:</b>                       | partially soluble             |
| <b>Partition coefficient [n-octanol/water]:</b>   | not determined                |
| <b>Viscosity:</b>                                 | not applicable                |
| <b>Relative vapour density determined in air:</b> | not applicable                |
| <b>Evaporation speed:</b>                         | not applicable                |
| <b>Melting point [°C]:</b>                        | not determined                |
| <b>Autoignition temperature [°C]:</b>             | not applicable                |
| <b>Decomposition temperature:</b>                 | not applicable                |

**10 Stability and reactivity**

|  |  |
|--|--|
| <b>Hazardous reactions:</b>              | Reactions with strong oxidizing agents.<br>Reactions with alkalis (lyes).<br>Violent reactions with strong acids.<br>Reactions with water. |
| <b>Hazardous decomposition products:</b> | Sulphurous oxides (SOx).   |

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**11 Toxicological information**

|                                      |   |
|--------------------------------------|---|
| <b>Acute oral toxicity:</b>          | not determined  |
| <b>Acute dermal toxicity:</b>        | not determined  |
| <b>Acute inhalational toxicity:</b>  | not determined  |
| <b>Irritant effect on eye:</b>       | not determined  |
| <b>Irritant effect on skin:</b>      | not determined  |
| <b>Sensitization:</b>                | not determined  |
| <b>Subacute toxicity:</b>            | not determined  |
| <b>Chronic toxicity:</b>             | not determined  |
| <b>Mutagenicity:</b>                 | not determined  |
| <b>Reproduction toxicity:</b>        | not determined  |
| <b>Carcinogenicity:</b>              | not determined  |
| <b>Experiences made in practice:</b> | none  |
| <b>General remarks:</b>              | Toxicological data are not available.<br>The product was classified on the basis of the calculation procedure of the preparation directive. |

**12 Ecological information**

|   |   |
|---|---|
| <b>Fish toxicity:</b>                         | not determined  |
| <b>Daphnia toxicity:</b>                      | not determined  |
| <b>Behaviour in environment compartments:</b> | not determined  |
| <b>Behaviour in sewage plant:</b>             | not determined  |
| <b>Bacteria toxicity:</b>                     | not determined  |
| <b>Biological degradability:</b>              | not determined  |
| <b>COD:</b>                                   | not determined  |
| <b>BOD 5:</b>                                 | not determined  |
| <b>AOX-advice:</b>                            | not applicable  |
| <b>2006/11/EC:</b>                            | not applicable  |
| <b>General information:</b>                   | Ecological data are not available.<br>Do not discharge product unmonitored into the environment or into the drainage. |

**13 Disposal considerations**

|                                 |  |
|---------------------------------|--|
| <b>Product:</b>                 | Coordinate disposal with the disposal contractor/authorities if necessary.   |
| <b>Contaminated packaging:</b>  | Uncontaminated packaging may be taken for recycling.<br>Packaging that cannot be cleaned should be disposed of as for product. |
| <b>Waste no. (recommended):</b> | 060399   |

**14 Transport information**


|  |                                     |
|--|-------------------------------------|
| <b>Classification according to ADR:</b>  | NO DANGEROUS GOODS                  |
| <b>- Label:</b>                          |                                     |
| <b>Classification according to IMDG:</b> | NOT CLASSIFIED AS "DANGEROUS GOODS" |
| <b>- Label:</b>                          |                                     |
| <b>Classification according to IATA:</b> | NOT CLASSIFIED AS "DANGEROUS GOODS" |

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**15 Regulatory information**

|                                  |  |
|----------------------------------|--|
| <b>Exposure scenario:</b>        | not determined   |
| <b>Chemical safety report:</b>   | not determined   |
| <b>Labelling:</b>                | The product is classified and labelled in accordance within EC-directives.   |
| <b>Hazard symbols:</b>           | <br>Irritant  |
| <b>R-phrases:</b>                | R 41: Risk of serious damage to eyes.  |
| <b>S-phrases:</b>                | S 2: Keep out of the reach of children.<br>S 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.<br>S 39: Wear eye/face protection.<br>S 46: If swallowed, seek medical advice immediately and show this container or label. |
| <b>Special labelling:</b>        | not applicable   |
| <b>Authorisation, TITEL VII:</b> | not applicable   |
| <b>Restrictions, TITEL VIII:</b> | not applicable   |
| <b>EEC-REGULATIONS:</b>          | 1967/548 (2008/58, 30. ATP/ 31. ATP); 1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006; 1272/2008  |
| <b>TRANSPORTREGULATIONS:</b>     | DOT-Classification, ADR (2009); IMDG-Code (34. Amdt.); IATA-DGR (2009).  |
| <b>NATIONAL REGULATIONS:</b>     | EH40/2005 Workplace exposure limits with amendments October 2007. CHIP 3/ CHIP 4   |

**16 Other informations**

|  |                                       |
|--|---------------------------------------|
| <b>R-phrases (Chapter 03):</b>                     | R 41: Risk of serious damage to eyes. |
| <b>Observe employment restrictions for people:</b> | yes                                   |
| <b>VOC (1999/13/CE):</b>                           | not applicable                        |

Disclaimer: This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.