

# Material Safety Data Sheet

according to 91/155/EEC

ProMinent®

**Buffer-pH 2-02-AUS**

Revision: 05-09-2005

## 1. Product and Company Identification

Product Identification: Buffer solution pH 2 - Part No.: 1001386  
1001390

Company Identification: ProMinent Dosiertechnik GmbH  
69123 Heidelberg, Im Schuhmachergewann 5-11  
REG- No.: HRB 1350 / Heidelberg -Germany-  
Tel: +49 (0)6221 842-0

Local Supplier: ProMinent Fluid Controls Pty Ltd  
4/4 Narabang Way, Belrose NSW 2085  
Tel: +61 (0) 2 9450 0995

## 2. Composition / Information on Ingredients

contains:

- citric acid (C<sub>6</sub>H<sub>8</sub>O<sub>7</sub>) CAS No. 5949-29-1 < 1 %
  - sodium chloride (NaCl) CAS No. 7647-14-5 < 1 %
  - hydrochloric acid (HCl) < 1 %
- in aqueous solution.

## 3. Hazards identification of the product

*not hazardous for health according to the regulation 67/548/EWG*

## 4. First aid measures

### **Poisons Information Centre :**

*Australia 131 126; New Zealand 0800 764 766 or a doctor.*

After skin contact: Rinse with water. Remove contaminated clothes.

After eye contact: Flush eyes with copious amounts of running water while lid is open.

After ingestion: Drink plenty of water. Provoke vomiting. See a physician when feeling sick.

## 5. Fire-fighting measures

Suitable extinguishing media: are to be fit in with the environment. Escaping vapours are to be densified with water.

Extinguishing media which must not be used for safety reasons: not applicable

Special exposure hazards : not flammable.

## 6. Accidental release measures

Remove with liquid-adsorbing material. Rests are to be flushed away with plenty of water.

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## 7. Handling and storage

Handling: The product is to be handled with the usual care and caution for chemicals.  
Storage: Keep original container tightly sealed.

## 8. Exposure / personal protection

Breathing equipment: necessary in case of vapours / aerosols occurring  
Eye protection: necessary  
Hand protection: necessary

## 9. Physical and chemical properties:

Physical state: liquid  
colour: colourless  
odour: inodorous  
pH: 2 (undiluted at 20 °C)  
cold sensitivity: under -5 °C  
flash point: not applicable  
vapour pressure: (aqueous solution)  
relative density: approx. 1.0 kg/l (20 °C)  
solubility: miscible in water (20 °C)

## 10. Stability and Reactivity

Conditions to avoid: no decomposition if used according to specifications  
Materials to avoid: metals  
Hazardous decomposition products: none known

## 11. Toxicological Information

Probable properties due to the chemical/physical data:  
After skin or eye contact: irritations  
citric acid LD50 : 3000 mg/kg (rat, oral, substance without water)  
sodium chloride LD50 : 3000 mg/kg (rat, oral)  
hydrochloric acid LD50 : not available

## 12. Ecological Information

When handled and used according to specifications, ecological problems are not to be expected.

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## 13. Disposal Considerations

In consultation with the responsible local authority, must be subjected to special treatment: neutralisation. In case of chemical collecting actions of the authorities, small containers can be handed over together with this safety data sheet.

## 14. Transport Information

*The product is not a hazardous material according to the transport regulations:*

## 15. Regulations

Classification and labelling according to the EEC regulations:

Symbols of danger: ---

R-phrases: ---

S-phrases: ---

National prescriptions:

Water hazard class (WGK): ---

## 16. Other Information

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.

Since ProMinent cannot anticipate or control the conditions under which this product may be used, each user must, before using this product, assess and control the risks arising from their use of this product.

ProMinent Fluid Controls Pty Ltd's responsibility for the product as sold is subject to the terms and conditions of the standards conditions of sale, a copy of which is available upon request.