

# Material Safety Data Sheet

according to 91/155/EEC

ProMinent®

Electrolyte **PER-02**

Revision: 05-09-2005

## 1. Product and Company Identification

### Product Identification:

Electrolyte PER - Part No.: 1025774

### Company Identification:

REG- No.: HRB 1350 / Heidelberg

ProMinent Dosiertechnik GmbH  
69123 Heidelberg, Im Schuhmachergewann 5-11  
-Germany-  
Tel: +49 (0)6221 842-0

## 2. Composition / Information on Ingredients

contains:

- |   |                          |
|---|--------------------------|
| - potassium iodide (KI)   | CAS No. 7681-11-0 < 5 %  |
| - di-sodiumhydrogenphosphate(Na <sub>2</sub> HPO <sub>4</sub> )                 | CAS No. 10028-24-7 < 1 % |
| - citric acid (C <sub>6</sub> H <sub>8</sub> O <sub>7</sub> x H <sub>2</sub> O) | CAS No. 5949-29-1 < 1 %  |
- in aqueous solution.

## 3. Hazards identification of the product

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

## 4. First aid measures

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 environmentExtinguishing 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.

## 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.

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## 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: clear liquid

colour: colourless

odour: inodorous

pH: ~ 4 (undiluted at 20 °C)

cold sensitivity: under -5 °C

flash point: not applicable

vapour pressure: (aqueous solution)

relative density: ~ 1.05 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

Quantitative data about the toxicity of the product are not available.

Hazardous properties are not quite probable.

potassium iodide LD<sub>50</sub> : 4340 mg/kg (oral, rat)

di-sodiumhydrogenphosphate LD<sub>50</sub> : 17000 mg/kg (oral, rat)

citric acid LD<sub>50</sub> : 3760 mg/kg (oral)

## 12. Ecological Information

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

## 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:*

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## 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.