

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

### Product details

**Trade name:** Electrolyte CCY14-F

**Article number:** 50005256

**Application of the substance / the preparation** *Laboratory chemicals*

### Manufacturer/Supplier:

*Endress+Hauser Conducta*

*Gesellschaft für Mess- und Regeltechnik mbH + Co. KG*

*Dieselstrasse 24*

*D-70839 Gerlingen*

**Endress+Hauser** 

People for Process Automation

### Further information obtainable from:

*Phone: +49 (0)7156 209-117*

*Fax.: +49 (0)7156 209-222*

**Information in case of emergency:** *Phone: +49(0)6131-19240*

## 2 Composition/information on ingredients

### Chemical characterization:

#### CAS No. Description

*7732-18-5 water, distilled, conductivity or of similar purity*

#### Identification number(s)

**EINECS Number:** *231-791-2*

### Chemical characterization

**Description:** *Mixture of substances listed below with nonhazardous additions.*

**Dangerous components:** *Void*

**Additional information:** *For the wording of the listed risk phrases refer to section 16.*

## 3 Hazards identification

**Hazard description:** *Not applicable.*

### Information concerning particular hazards for human and environment:

*The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.*

### Classification system:

*The classification is according to the latest editions of the EU-lists, and extended by company and literature data.*

## 4 First-aid measures

**General information:** *No special measures required.*

**After inhalation:** *Supply fresh air; consult doctor in case of complaints.*

**After skin contact:** *Generally the product does not irritate the skin.*

**After eye contact:** *Rinse opened eye for several minutes under running water.*

**After swallowing:** *If symptoms persist consult doctor.*

## 5 Fire-fighting measures

### Suitable extinguishing agents:

*CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.*

**Protective equipment:** *No special measures required.*

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## 6 Accidental release measures

**Person-related safety precautions:** *Not required.*

**Measures for environmental protection:** *No special measures required.*

**Measures for cleaning/collecting:**

*Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).*

**Additional information:** *No dangerous substances are released.*

## 7 Handling and storage

**Handling:**

**Information for safe handling:** *No special measures required.*

**Information about fire - and explosion protection:** *No special measures required.*

**Storage:**

**Requirements to be met by storerooms and receptacles:** *No special requirements.*

**Information about storage in one common storage facility:** *Not required.*

**Further information about storage conditions:** *None.*

## 8 Exposure controls/personal protection

**Additional information about design of technical facilities:** *No further data; see item 7.*

**Ingredients with limit values that require monitoring at the workplace:**

*The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.*

**Additional information:** *The lists valid during the making were used as basis.*

**Personal protective equipment:**

**General protective and hygienic measures:**

*The usual precautionary measures are to be adhered to when handling chemicals.*

**Respiratory protection:** *Not required.*

**Protection of hands:**

*Protective gloves and protective skin cream*

*The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.*

*Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.*

*Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation*

**Material of gloves**

*The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.*

**Penetration time of glove material**

*The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.*

**Eye protection:** *Goggles recommended during refilling*

## 9 Physical and chemical properties

### General Information

<b>Form:</b>	<i>Fluid</i>
<b>Colour:</b>	<i>Colourless</i>
<b>Odour:</b>	<i>Characteristic</i>

### Change in condition

**Melting point/Melting range:** *0°C*

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<b>Boiling point/Boiling range:</b>	100°C
<b>Flash point:</b>	Not applicable.
<b>Self-igniting:</b>	Product is not selfigniting.
<b>Danger of explosion:</b>	Product does not present an explosion hazard.
<b>Vapour pressure at 20°C:</b>	23 hPa
<b>Density at 20°C:</b>	1,004 g/cm <sup>3</sup>
<b>Solubility in / Miscibility with water:</b>	Not miscible or difficult to mix.
<b>pH-value at 20°C:</b>	7
<b>Solvent content:</b>	
<b>Organic solvents:</b>	0,0 %
<b>Water:</b>	99,6 %
<b>Solids content:</b>	0,4 %

## 10 Stability and reactivity

**Thermal decomposition / conditions to be avoided:***No decomposition if used according to specifications.***Dangerous reactions** *No dangerous reactions known.***Dangerous decomposition products:** *No dangerous decomposition products known.*

## 11 Toxicological information

**Acute toxicity:****LD/LC50 values relevant for classification:****7447-40-7 potassium chloride**

Oral | LD50 | 2600 mg/kg (rat)

**Primary irritant effect:****on the skin:** *No irritant effect.***on the eye:** *No irritating effect.***Sensitization:** *No sensitizing effects known.***Additional toxicological information:***The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.**When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.*

## 12 Ecological information

**General notes:** *Generally not hazardous for water*

## 13 Disposal considerations

**Product:****Recommendation** *Smaller quantities can be disposed of with household waste.***Uncleaned packaging:****Recommendation:** *Disposal must be made according to official regulations.*

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## 14 Transport information

Land transport ADR/RID (cross-border)  
ADR/RID class: -

Maritime transport IMDG:  
IMDG Class: -  
Marine pollutant: No

Air transport ICAO-TI and IATA-DGR:  
ICAO/IATA Class: -

## 15 Regulatory information

**Labelling according to EU guidelines:**

*Observe the general safety regulations when handling chemicals.*

*The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).*

## 16 Other information

*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.*

**Department issuing MSDS: TW-DC**  
**Contact: Dr. T. Trapp**