

## 1 Identification

### Product identifier

**Trade name:** Elektrolyt CAS40D Ammonium

**Synonym:** *Electrolyte CAS40D ammonium*

**Article number:** 71072574

### Relevant identified uses of the substance or mixture and uses advised against

*No further relevant information available.*

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

### Details of the supplier of the safety data sheet

#### Manufacturer/Supplier:

*Endress+Hauser*

*Conducta GmbH+Co. KG*

*Dieselstraße 24*

*D-70839 Gerlingen*

### Further information obtainable from:

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

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

*E-Mail: [conducta\\_service@conducta.endress.com](mailto:conducta_service@conducta.endress.com)*

**Emergency telephone number:** 0061 13 11 26

## 2 Hazard(s) Identification

### Classification of the substance or mixture

*The product is not classified, according to the Globally Harmonised System (GHS).*

### Label elements

**GHS label elements** *Void*

**Hazard pictograms** *Void*

**Signal word** *Void*

**Hazard statements** *Void*

### Other hazards

*The product does not contain any organic halogen compounds (AOX), nitrates, heavy metal compounds or formaldehydes.*

### Results of PBT and vPvB assessment

**PBT:** *Not applicable.*

**vPvB:** *Not applicable.*

## \* 3 Composition and Information on Ingredients

### Chemical characterisation: Mixtures

**Description:** *aqueous solution*

**Dangerous components:** *Void*

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

## 4 First Aid Measures

### Description of 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:** *Rinse out mouth and then drink plenty of water.*

Trade name: Elektrolyt CAS40D Ammonium

(Contd. of page 1)

**Information for doctor:**

**Most important symptoms and effects, both acute and delayed**

*No further relevant information available.*

**Indication of any immediate medical attention and special treatment needed**

*No further relevant information available.*

## 5 Fire Fighting Measures

**Extinguishing media**

**Suitable extinguishing agents:**

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

**For safety reasons unsuitable extinguishing agents:** *no further information*

**Special hazards arising from the substance or mixture** *No further relevant information available.*

**Advice for firefighters**

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

## 6 Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures** *Wear protective clothing.*

**Environmental precautions:** *Dilute with plenty of water.*

**Methods and material for containment and cleaning up:**

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

**Reference to other sections**

*No dangerous substances are released.*

*See Section 7 for information on safe handling.*

*See Section 8 for information on personal protection equipment.*

*See Section 13 for disposal information.*

## 7 Handling and Storage

**Handling:**

**Precautions for safe handling** *No special measures required.*

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

**Conditions for safe storage, including any incompatibilities**

**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.*

**Storage class:** 12

**Specific end use(s)** *No further relevant information available.*

## 8 Exposure controls and personal protection

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

**Control parameters**

**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.*

**Exposure controls**

**Personal protective equipment:**

**General protective and hygienic measures:**

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

(Contd. on page 3)

**Trade name: Elektrolyt CAS40D Ammonium**

(Contd. of page 2)

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

**Protection of hands:**

*Protective gloves and protective skin cream  
No chemical-protective gloves required.*

**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 trough time has to be found out by the manufacturer of the protective gloves and has to be observed.*

**Eye protection:** *Not required.*

**Body protection:** *Protective work clothing*

## \* 9 Physical and Chemical Properties

### Information on basic physical and chemical properties

#### General Information

**Appearance:**

|                         |                        |
|-------------------------|------------------------|
| <b>Form:</b>            | <i>Fluid</i>           |
| <b>Colour:</b>          | <i>Colourless</i>      |
| <b>Odour:</b>           | <i>Odourless</i>       |
| <b>Odour threshold:</b> | <i>Not determined.</i> |

**Important information on protection of health and environment, and on safety.**

**pH-value at 20 °C:** *neutral*

**Change in condition**

|   |                      |
|---|----------------------|
| <b>Melting point/freezing point:</b>            | <i>Undetermined.</i> |
| <b>Initial boiling point and boiling range:</b> | <i>100 °C</i>        |

**Flash point:** *Not applicable.*

**Flammability (solid, gas):** *Not applicable.*

**Decomposition temperature:** *Not determined.*

**Auto-ignition temperature:** *Product is not selfigniting.*

**Explosive properties:** *Product does not present an explosion hazard.  
Not determined.*

**Explosion limits:**

|               |                        |
|---------------|------------------------|
| <b>Lower:</b> | <i>Not determined.</i> |
| <b>Upper:</b> | <i>Not determined.</i> |

**Vapour pressure at 20 °C:** *23 hPa*

**Density at 20 °C:** *1 g/cm<sup>3</sup>*

**Relative density** *Not determined.*

**Vapour density** *Not determined.*

**Evaporation rate** *Not determined.*

**Solubility in / Miscibility with water:**

*Fully miscible.*

**Partition coefficient: n-octanol/water:** *Not determined.*

**Viscosity:**

**Dynamic:** *Not determined.*

(Contd. on page 4)

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Trade name: Elektrolyt CAS40D Ammonium

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|                          |   |                    |
|--------------------------|---|--------------------|
| <b>Kinematic:</b>        | <i>Not determined.</i>                            | (Contd. of page 3) |
| <b>Solvent content:</b>  |   |                    |
| <b>Water:</b>            | 92.3 %  |                    |
| <b>Solids content:</b>   | 0.0 %   |                    |
| <b>Other information</b> | <i>No further relevant information available.</i> |                    |

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## 10 Stability and Reactivity

**Reactivity** *No further relevant information available.*

**Chemical stability**

**Thermal decomposition / conditions to be avoided:**

*No decomposition if used according to specifications.*

**Possibility of hazardous reactions** *No dangerous reactions known.*

**Conditions to avoid** *No further relevant information available.*

**Incompatible materials:** *No further relevant information available.*

**Hazardous decomposition products:** *No dangerous decomposition products known.*

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## 11 Toxicological Information

**Information on toxicological effects**

**Acute toxicity**

**Primary irritant effect:**

**Skin corrosion/irritation** *No irritant effect.*

**Serious eye damage/irritation** *No irritating effect.*

**Respiratory or skin sensitisation** *No sensitising 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.*

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## 12 Ecological Information

**Toxicity**

**Aquatic toxicity:** *No further relevant information available.*

**Persistence and degradability** *No further relevant information available.*

**Behaviour in environmental systems:**

**Bioaccumulative potential** *No further relevant information available.*

**Mobility in soil** *No further relevant information available.*

**Additional ecological information:**

**General notes:** *Not hazardous for water.*

**Results of PBT and vPvB assessment**

**PBT:** *Not applicable.*

**vPvB:** *Not applicable.*

**Other adverse effects** *No further relevant information available.*

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## 13 Disposal considerations

**Waste treatment methods**

**Recommendation** *Smaller quantities can be disposed of with household waste.*

**Uncleaned packaging:**

**Recommendation:** *Disposal must be made according to official regulations.*

**Recommended cleansing agents:** *Water, if necessary together with cleansing agents.*

(Contd. on page 5)

Trade name: Elektrolyt CAS40D Ammonium

(Contd. of page 4)

## \*14 Transport information

|   |  |
|---|--|
| <b>UN-Number</b>  |  |
| <b>ADG, ADN, IMDG, IATA</b>   | Void   |
| <b>UN proper shipping name</b>  |  |
| <b>ADG, ADN, IMDG, IATA</b>   | Void   |
| <b>Transport hazard class(es)</b>   |  |
| <b>ADG, ADN, IMDG, IATA</b>   |  |
| <b>Class</b>  | Void   |
| <b>Packing group</b>  |  |
| <b>ADG, IMDG, IATA</b>  | Void   |
| <b>Environmental hazards:</b>   |  |
| <b>Marine pollutant:</b>  | No   |
| <b>Special precautions for user</b>                                       | Not applicable.                                      |
| <b>Transport in bulk according to Annex II of Marpol and the IBC Code</b> | Not applicable.                                      |
| <b>Transport/Additional information:</b>                                  | Not dangerous according to the above specifications. |
| <b>UN "Model Regulation":</b>   | Void   |

## \*15 Regulatory information

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Australian Inventory of Chemical Substances**

*All ingredients are listed.*

**Standard for the Uniform Scheduling of Medicines and Poisons**

7447-40-7 | *potassium chloride*

S4

**GHS label elements** Void

**Hazard pictograms** Void

**Signal word** Void

**Hazard statements** Void

**Directive 2012/18/EU**

**Named dangerous substances - ANNEX I** *None of the ingredients is listed.*

**Chemical safety assessment:** *A Chemical Safety Assessment has not been carried out.*

## 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 SDS:** PCC-TWRC

**Contact:** MSDS@conducta.endress.com

**Abbreviations and acronyms:**

*ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)*

*IMDG: International Maritime Code for Dangerous Goods*

*IATA: International Air Transport Association*

*EINECS: European Inventory of Existing Commercial Chemical Substances*

*ELINCS: European List of Notified Chemical Substances*

*CAS: Chemical Abstracts Service (division of the American Chemical Society)*

*PBT: Persistent, Bioaccumulative and Toxic*

*vPvB: very Persistent and very Bioaccumulative*

**\* Data compared to the previous version altered.**