

Version: 5  
Revision date: 2024-11-13

Trade name: Electrolyte E-509-1/2-EL

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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

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### 1.1. Product identifier

Trade name:  
Electrolyte E-509-1/2-EL

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

Application of the substance / the preparation:  
Electrolyte solution for electric chemistry measurement systems.

### 1.3. Details of the Supplier of the safety data sheet

Manufacturer/Supplier:  
s::can GmbH  
Brigittagasse 22-24  
A-1200 Vienna  
Austria  
+43 1 219 73 93  
support@s-can.at

### 1.4. Emergency telephone number

Poison center Austria, Vergiftungsinformationszentrale +43 1 406 43 43  
Or a poison center in your area.

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## SECTION 2: Hazards identification

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### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP):  
The product is not classified, according to the CLP regulation.

### 2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP):  
Void

Hazard pictograms:  
Void

Signal word:  
Void

Hazard statements:  
Void

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### **2.3. Other hazards**

Results of PBT and vPvB assessment:

PBT: Not applicable.

vPvB: Not applicable.

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## **SECTION 3: Composition/information on ingredients**

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### **3.2. Mixtures**

Description:

Mixture of substances listed below with nonhazardous additions.

Dangerous components:

Citric acid; CAS: 77-92-9; EINECS: 201-069-1

Concentration: ≤2.5 %

Classification 1272/2008: Eye Irrit. 2, H319

For the full text of the listed hazard phrases see section 16.

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## **SECTION 4: First aid measures**

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### **4.1. Description of first aid measures**

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 ingestion:

If symptoms persist consult doctor.

### **4.2. Most important symptoms and effects, both acute and delayed**

No further relevant information available.

### **4.3. Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

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## **SECTION 5: Firefighting measure**

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### **5.1. Extinguishing media**

Suitable extinguishing media:

Use fire extinguishing methods suitable to surrounding conditions.

### **5.2. Special hazards arising from the substance or mixture**

No further relevant information available.

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### **5.3. Advice for firefighters**

Protective equipment: No special measures required.

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## **SECTION 6: Accidental release measures**

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### **6.1. Personal precautions, protective equipment and emergency procedures**

Not required.

### **6.2. Environmental precautions**

Dilute with plenty of water.  
Do not allow to enter sewers/ surface or ground water.

### **6.3. Methods and material for containment and cleaning up**

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

### **6.4. Reference to other sections**

See Chapter 7, 8 & 13.

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## **SECTION 7: Handling and storage**

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### **7.1 Precautions for safe handling**

No special precautions are necessary if used correctly.

Information about fire - and explosion protection:

No special measures required.

### **7.2 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

### **7.3 Specific end use(s):**

No further relevant information available.

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## **SECTION 8: Exposure controls/personal protection**

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### **8.1 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.

### **8.2 Exposure controls**

Personal protection equipment:

General protective and hygienic measures:

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Wash hands before breaks and at the end of work.

Respiratory protection:

Not required.

Protection of hands:

For permanent contact gloves are recommended.

E.g. glove material: Nitrile rubber, glove thickness: > 0.1 mm.

To avoid skin problems reduce the wearing of gloves to the required minimum.

Eye protection:

Goggles recommended during refilling.

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## SECTION 9: Physical and chemical properties

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### 9.1 Information on basic physical and chemical properties

Appearance:	Fluid
Color:	Yellowish
Odor:	Odorless
Odor threshold:	Not determined
pH at 20 °C:	4.8
Melting point / freezing point:	0 °C
Boiling point:	100 °C
Flash point:	Not applicable
Flammability (solid, gas):	Not applicable
Decomposition temperature:	Not determined
Auto-ignition temperature:	Product is not self-igniting.
Explosive properties:	Product does not present an explosion hazard.
Vapor pressure at 20 °C:	23 hPa
Density at 20 °C:	1.0256 g/cm <sup>3</sup>
Relative density:	Not determined
Vapor density:	Not determined
Evaporation rate:	Not determined
Water solubility:	Fully miscible
Partition coefficient n-octanol/water:	Not determined
Dynamic viscosity:	Not determined
Kinematic viscosity:	Not determined
Solvent content:	Water 97.0 %

### 9.2 Other information

No further relevant information available.

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## SECTION 10: Stability and Reactivity

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### 10.1 Reactivity

No further relevant information available.

### 10.2 Chemical stability

No thermal decomposition if used according to specifications.

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### **10.3 Possibility of hazardous reactions**

No dangerous reactions known.

### **10.4 Conditions to avoid**

No further relevant information available.

### **10.5 Incompatible materials**

No further relevant information available.

### **10.6 Hazardous decomposition products**

No dangerous decomposition products known.

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## **SECTION 11: Toxicological information**

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### **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

Acute toxicity:

Based on available data, the classification criteria are not met.

Skin corrosion/irritation:

Based on available data, the classification criteria are not met.

Serious eye damage/irritation:

Based on available data, the classification criteria are not met.

Respiratory or skin sensitization:

Based on available data, the classification criteria are not met.

Germ cell mutagenicity:

Based on available data, the classification criteria are not met.

Carcinogenicity:

Based on available data, the classification criteria are not met.

Reproductive toxicity:

Based on available data, the classification criteria are not met.

STOT-single exposure:

Based on available data, the classification criteria are not met.

STOT-repeated exposure:

Based on available data, the classification criteria are not met.

Aspiration hazard:

Based on available data, the classification criteria are not met.

### **11.2 Information on other hazards**

Endocrine disrupting properties:

None of the ingredients is listed.

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## **SECTION 12: Ecological information**

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### **12.1 Toxicity**

Aquatic toxicity: No further relevant information available.

### **12.2 Persistence and degradability**

No further relevant information available.

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### **12.3 Bioaccumulative potential**

No further relevant information available.

### **12.4 Mobility in soil**

No further relevant information available.

### **12.5 Results of PBT and vPvB assessment**

PBT: Not applicable.  
vPvB: Not applicable.

### **12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

### **12.7 Other adverse effects**

Additional ecological information:

General notes: Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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## **SECTION 13: Disposal considerations**

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### **13.1 Waste treatment methods**

Recommendation:

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.  
Recommended cleansing agents: Water, if necessary together with cleansing agents.

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## **SECTION 14: Transport Information**

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### **14.1. UN number**

ADR, ADN, IMDG, IATA: Void

### **14.2. UN proper shipping name**

ADR, ADN, IMDG, IATA: Void

### **14.3. Transport hazard class(es)**

ADR, ADN, IMDG, IATA: Void

### **14.4. Packing group**

ADR, ADN, IMDG, IATA: Void

### **14.5. Environmental hazards**

Marine pollutant: No.

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**14.6. Special precautions for user**

Not applicable.

**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable.

UN „Model Regulation“: Void

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**SECTION 15: Regulatory Information**

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

Directive 2012/18/EU

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

**15.2 Chemical Safety Assessment**

A Chemical Safety Assessment has not been carried out.

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**SECTION 16: Other information**

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Relevant H-statements:

H319 Causes serious eye irritation

Further 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.