

Version: 4
Revision date: 2020-12-16

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

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

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.

SECTION 2: Hazards identification

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.

SECTION 3: Composition/information on ingredients

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.

SECTION 4: First aid measures

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.

SECTION 5: Firefighting measure

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.

SECTION 6: Accidental release measures

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.

SECTION 7: Handling and storage

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.

SECTION 8: Exposure controls/personal protection

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.

SECTION 9: Physical and chemical properties

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 ³
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.

SECTION 10: Stability and Reactivity

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.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

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

Primary irritant effect:

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.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

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.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: No further relevant information available.

12.2 Persistence and degradability

No further relevant information available.

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.

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12.6 Other adverse effects

No further relevant information available.

12.7 Additional information

None.

SECTION 13: Disposal considerations

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.

SECTION 14: Transport Information

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.

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

SECTION 15: Regulatory Information

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

Directive 2012/18/EU

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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.

SECTION 16: Other information

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.