

Material Safety Data Sheet

SD0372 v2.0 RS 214-675

According to 91/155 EC

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RS CHIP3 MSDS Date 01/07/07

1. **Identification of the substance/preparation and of the company/undertaking**

Catalogue Number: RS 214-675

Product Name: Reference Electrolyte

Manufacturer/Supplier Identification:

RS Components Ltd,
Birchington Road,
Corby,
Northants,
NN17 9RS

Tel No:- +44 (0) 1536 402888

Fax No:- +44 (0) 1536 401588

2. **Composition/information on ingredients:**

Chemical characterization

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components: Void

3. **Hazards identification**

Hazard description: Not applicable.

Information concerning to particular hazards to man and environment:

Not applicable.

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**

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

2. **Inhalation:** Supply fresh air consult doctor in case of complaints.

3. **Skin contact:** Generally the product does not irritate the skin.

4. **Ingestion:** If systems persist consult doctor.

5. **General Information:** No special measures required.

5. **Fire-fighting measures**

1 **Suitable extinguishing agents:** CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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

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| 6. | <u>Accidental release measures</u> Person-related safety precautions: Not required Measures for environmental protection: Dilute with plenty of water. Do not allow to enter sewers/surface or ground water. Measures for cleaning/collecting: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Additional information: No dangerous substances are released. |
| 7. | <u>Handling and storage</u> 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. Storage class: Class according to regulation on flammable liquids: Void |
| 8. | <u>Exposure controls/personal protection</u> 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. Skin protection: Not required. Eye protection: Goggles recommended during refilling. |

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| <u>Product Name :</u> | Reference Electrolyte |
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| 9. | <u>Physical and chemical properties:</u> a) Form: Fluid b) Colour: According to product specification c) Odour: Characteristic d) Melting temperature: Undetermined e) Boiling temperature: 100°C f) Density: Not determined g) Solubility in/Miscibility with water: Fully miscible. h) Flash point: Not applicable. i) Danger of Explosion: Product does not present an explosion hazard. j) Self-igniting: Product is not selfigniting. k) Solvent content: Organic solvents: 0.0% |
| 10. | <u>Stability and reactivity</u> 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. | <u>Toxicological information:</u> Acute toxicity: 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 shows the following dangers 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. | <u>Ecological information</u> 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. |
| 13. | <u>Disposal considerations</u> Product 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. |

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| <u>Product Name:</u> | Reference Electrolyte |
| 14. | <u>Transport information</u> Land transport ADR/RID (cross-border) ADR/RID class: - Maritime transport IMDG: IMDG Class: Marine pollutant: No Air transport ICAO-TI and IATA-DGR CAO/IATA Class: - Transport/Additional information: Not dangerous according to the above specifications. |
| 15. | <u>Regulatory information</u> Labelling according to EU guidelines: Observe the general safety regulations when handling chemicals. The product has been classified and marked in accordance with EU Directives/Ordinance on Hazardous Materials (German GefStoffV). National regulations: Classification according to VbF: Void Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water. |
| 16. | <u>Other information</u> Date of Issue Date of Print |