

**Reference Electrolyte/Plating Solution**

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

Product Name: Reference Electrolyte/Plating Solution  
Product number: R-300-025ERF-01/R-300-025PLA-RF  
company: Cogent Environmental Ltd  
184 Science Park  
Cambridge  
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UK  
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**2. Composition/information on ingredients**

Product name: Reference Electrolyte/Plating Solution  
Chemical name: Potassium Chloride 1M  
CAS number: none EC number: 231-211-8

<u>Hazardous Ingredients</u>	<u>Proportion</u>	<u>CAS-No</u>	<u>EC-No</u>
None			

**3. Hazards identification**

Not Hazardous

**4. First aid measures**

If swallowed: Wash out mouth thoroughly providing person is conscious. Do not induce vomiting. Seek medical advice.

After eye contact: Irrigate thoroughly with water for at least 15 minutes. If discomfort persists obtain medical attention.

After skin contact: Wash skin thoroughly with water and mild soap.

If inhaled: Remove individual from contaminated air, rest and keep warm. If breathing is difficult, seek medical assistance.

**5. Fire-fighting measures**

Non Combustible. May emit toxic fumes under fire conditions.

Fire fighters should wear self contained breathing apparatus if exposure to fumes is likely.

**6. Accidental release measures**

Wear protective clothing when dealing with spills. Absorb on sand or vermiculite and place in bag. Ventilate area and wash spill site after material pickup is complete. Dispose of in accordance with local regulations.

**Reference Electrolyte/Plating Solution****7. Handling and storage**

Handling: Change contaminated clothing. Wash hands after working with substance.

Storage: Store sealed in original container in a cool well ventilated situation away from foods and other chemicals.

**8. Exposure controls and personal protection**

Engineering Controls:  
None required

Personal Protection:

Avoid all skin and eye contact. Wear protective clothing including safety glasses and rubber or PVC gloves.

**9. Physical and chemical properties**

Appearance:	Clear colourless liquid
Boiling point (°C):	N/A
Vapour pressure (mmHg at 20°C):	N/A
Specific Gravity (g/mL):	N/A
Flash Point (°C):	Not flammable
Flammability limits (%):	Not flammable
Solubility in water (g/L):	Completely miscible
Density (g/cm <sup>3</sup> ):	1.04

**10. Stability and reactivity**

Substances to be avoided: Strong oxidising agents

**11. Toxicological information**

After inhalation of vapours: May be irritating to mucous membranes and upper respiratory tract.

After ingestion: Ingestion of large quantities can cause weakness, gastrointestinal irritation and circulatory disturbances.

After skin contact: May cause irritations.

After eye contact: May cause irritation.

**12. Ecological information**

Biological degradable.

**13. Disposal considerations**

Contact a licensed professional waste disposal service to dispose of this material. Observe local and national environmental regulations.

**14. Transport information**

Non – hazardous for air, road or sea transport.

**15. Regulatory information**

Not classified as dangerous according to EC directives.



# MSDS

Material Safety Data Sheet

Document No.: MSDS024  
Version No.: 01  
Effective Date: 19 Jan 2009

## Reference Electrolyte/Plating Solution

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### 16. Other information

None

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