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

- Product identifier
  - Trade name: L 300
  - Article number: 285138554
  - Description: Potassium chloride solution 3,0 mol/l
  - Product code: scho0010
  - Application of the substance / the preparation: Electrolyte solution
  - Manufacturer/Supplier:
    SI Analytics GmbH
    Hattenbergstr. 10
    55122 Mainz
    Deutschland
    Tel.: +49 6131 66-5111
  - Further information obtainable from: E-Mail: msds@si-analytics.com
  - Emergency telephone number: + 49 89 19240 (Giftnotruf München)

2 Hazards identification

- Classification of the substance or mixture
  - Classification according to Directive 67/548/EEC or Directive 1999/45/EC Void
  - Information concerning particular hazards for human and environment:
    The mixture is not subject to classification according to the calculation methods of the "General Classification Guideline for Preparations of the EU" as issued in the latest valid version.
  - Classification system:
    The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

- Label elements
  - Labelling according to EU guidelines:
    The mixture is not subject to classification according to the calculation methods of the "General Classification Guideline for Preparations of the EU" as issued in the latest valid version.
  - Risk phrases: none
  - Safety phrases: none

3 Composition/information on ingredients

- Chemical characterization: Mixtures
  - Description:
    Mixture, consisting of the following components:
    Water, potassium chloride
  - Dangerous components: Void
  - Additional information: For the wording of the listed risk phrases refer to section 16.

4 First aid measures

- Description of first aid measures
  - After skin contact:
    Wash off with water.
    Remove contaminated clothes.
  - After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
  - After swallowing: Seek medical advice if you feel unwell.
Safety data sheet
according to Regulation (EC) No 1907/2006 (REACH)

Printing date 10.01.2011
Revision: 10.01.2011
Version number 1

Trade name: L 300

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5 Firefighting measures

• Extinguishing media
  • Suitable extinguishing agents: The product is not flammable. Extinguishing agent to suit environment.
• Special hazards arising from the substance or mixture
  In case of fire, the following can be released:
  Hydrogen chloride (HCl)
• Advice for firefighters
  • Protective equipment: Wear self-contained respiratoried protective device.
• Additional information
  Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

• Personal precautions, protective equipment and emergency procedures
  No special measures required.
• Environmental precautions:
  Do not allow larger amounts to enter sewer, surface waters or ground water.
• Methods and material for containment and cleaning up:
  Wash off with water.

7 Handling and storage

• Handling:
  • Precautions for safe handling
    • No special precautions are necessary if used correctly.
  • 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:
      Store only in the original receptacle.
    • Information about storage in one common storage facility:
      Not required.
    • Further information about storage conditions:
      Store at room temperature (15-25 °C).

8 Exposure controls/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:
      • Avoid contact with the eyes and skin.
      • Change contaminated clothing.
      • Wash hands before breaks and at the end of work.
    • Respiratory protection:
      • Not required.
    • Protection of hands:
      • Protective gloves recommended for frequent or long-term skin contact.
    • Material of gloves:
      • Nitrile rubber, NBR
  • Recommended thickness of the material:
    ≥ 0,35 mm

(Contd. on page 3)
Trade name: L 300

• Eye protection: Safety glasses

9 Physical and chemical properties

<table>
<thead>
<tr>
<th>Information on basic physical and chemical properties</th>
</tr>
</thead>
<tbody>
<tr>
<td>• General Information</td>
</tr>
<tr>
<td>• Appearance:</td>
</tr>
<tr>
<td>Form: Fluid</td>
</tr>
<tr>
<td>Colour: Colourless</td>
</tr>
<tr>
<td>Odour: Odourless</td>
</tr>
<tr>
<td>• pH-value: 7</td>
</tr>
<tr>
<td>• Change in condition</td>
</tr>
<tr>
<td>Melting point/Melting range: -9,7°C</td>
</tr>
<tr>
<td>Boiling point/Boiling range: 106,3°C</td>
</tr>
<tr>
<td>• Flash point: Not applicable.</td>
</tr>
<tr>
<td>• Self-igniting: Product is not self-igniting.</td>
</tr>
<tr>
<td>• Danger of explosion: Product does not present an explosion hazard.</td>
</tr>
<tr>
<td>• Density: 1,130 g/cm³</td>
</tr>
<tr>
<td>• Solubility in / Miscibility with water: Fully miscible.</td>
</tr>
</tbody>
</table>

10 Stability and reactivity

• Reactivity
• Chemical stability
• Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
• Possibility of hazardous reactions: No dangerous reactions known.
• Hazardous decomposition products: In case of fire, see section 5.

11 Toxicological information

• Information on toxicological effects
• Acute toxicity:

<table>
<thead>
<tr>
<th>LD/LC50 values relevant for classification:</th>
</tr>
</thead>
<tbody>
<tr>
<td>7447-40-7 potassium chloride</td>
</tr>
<tr>
<td>Oral LD50 2600 mg/kg (Rat) (RTECS)</td>
</tr>
</tbody>
</table>

• Primary irritant effect:
• on the skin: No irritant effect.
• on the eye: No irritating effect.
• Sensitization: No sensitizing effects known.
• Acute effects (acute toxicity, irritation and corrosivity):
  Possible symptoms after swallowing a large amount:
  Nausea, vomiting.
  After swallowing a large amount of potassium chloride, cardiac/circulatory disorder, agitation and spasms may occur.
Safety data sheet
according to Regulation (EC) No 1907/2006 (REACH)

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12 Ecological information

• Toxicity

<table>
<thead>
<tr>
<th>Acquatic toxicity:</th>
<th>7447-40-7 potassium chloride</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC50</td>
<td>825 mg/l, 48 h (Daphnia magna) (IUCLID)</td>
</tr>
<tr>
<td>IC50</td>
<td>2500 mg/l, 72 h (Desmodesmus subspicatus) (IUCLID)</td>
</tr>
<tr>
<td>LC50</td>
<td>920 mg/l, 96 h (Gambusia affinis) (IUCLID)</td>
</tr>
</tbody>
</table>

• 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.

13 Disposal considerations

• Waste treatment methods
  • Recommendation
    Must not be disposed together with household garbage. Do not allow product to reach sewage system.

• Uncleaned packaging:
  • Recommendation:
    Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.
    Packagings that may not be cleansed are to be disposed of in the same manner as the product.
  • Recommended cleansing agents: Water, if necessary together with cleansing agents.

14 Transport information

• Land transport ADR/RID (cross-border) No hazardous material as defined in the directives.

• Maritime transport IMDG: No hazardous material as defined in the directives.
• Marine pollutant: No

• Air transport ICAO-TI and IATA-DGR: No hazardous material as defined in the directives.

15 Regulatory information

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

16 Other information

• 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)
  RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
  IMDG: International Maritime Code for Dangerous Goods
  IATA: International Air Transport Association
  IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
  ICAO: International Civil Aviation Organization
  ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
  LC50: Lethal concentration, 50 percent
  LD50: Lethal dose, 50 percent