Material Safety Data Sheet

KCI 3M Electrolyte

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

Use of the substance / preparation
Electrolyte for reference electrodes

Chemical characterization
Aqueous solution containing inorganic components.

Product code
51350072, 51350080, 51343180

Supplier
Mettler-Toledo AG
ANALYTICAL
Sonnenbergstrasse 74
CH-8603 Schwerzenbach
Schweiz
Tel: +41-44-806-77-11
Fax: +41-44-806-73-50
Email: ph.lab.support@mt.com

Emergency telephone number
+1-800-535 50 53 (Info Trac, 24 hrs)

Revision date
24.01.2011

Number
3

2. Composition / information on ingredients

Hazardous components
The product contains no substances classified as hazardous to health in concentrations which should be taken into account according to EC directive.
Contains: Potassium chloride (CAS no 7447-40-7): 22%
3. Hazards identification

None.

NFPA Ratings (Scale 0-4):
HEALTH=1
FLAMMABILITY=0
REACTIVITY=0
SPECIAL=0

HMSI Ratings (Scale: 0=Minimal 1=Slight 2=Moderate 3=Serious 4=Severe):
HEALTH=1
FLAMMABILITY=0
REACTIVITY=0
PROT. EQUIPMENT=A (Safety Glasses)

WHMIS:
no Hazard class

4. First aid measures

Inhalation Not hazardous by inhalation.
Skin contact Rinse with water.
Eye contact Immediately flush eye(s) with plenty of water.
Ingestion Rinse mouth.

5. Fire-fighting measures

Suitable extinguishing media No special measures required.
Specific hazards The product is not flammable.

6. Accidental release measures

Personal precautions No special measures required.
Environmental precautions No special environmental precautions required.
Methods for cleaning up Contaminated surfaces will be extremely slippery. Clean up promptly by sweeping or vacuum.
7. Handling and storage

Handling No special precautions required.

Storage Keep out of reach of children. Store at room temperature in the original container.

8. Exposure controls / personal protection

Exposure limit(s) Not available.

Engineering measures to reduce exposure General industrial hygiene practice.

Personal protection equipment:
Respiratory protection No personal respiratory protective equipment normally required.

Eye protection Avoid contact with eyes.

9. Physical and chemical properties

Form Liquid.

Colour Colourless. Clear.

Odour None.

Physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>~6</td>
</tr>
<tr>
<td>Boiling point/range</td>
<td>~212 °F (~100 °C)</td>
</tr>
<tr>
<td>Relative density</td>
<td>~1 g/ml</td>
</tr>
<tr>
<td>Flash point</td>
<td>does not ignite</td>
</tr>
<tr>
<td>Water solubility</td>
<td>completely miscible</td>
</tr>
</tbody>
</table>

10. Stability and reactivity

Stability No decomposition if stored and applied as directed.

Conditions to avoid Extremes of temperature and direct sunlight.

Hazardous decomposition products None reasonably foreseeable.
11. Toxicological information

**Acute toxicity**
No data is available on the product itself.

Potassium chloride:
RTECS: TS8050000
LD50/oral/rat = 2600 mg/kg.
LD50/intravenous/rat = 142 mg/kg.
LD50/oral/mouse = 1500 mg/kg.
LD50/intravenous/mouse = 117 mg/kg.

**Local effects**
No data is available on the product itself.

**Long term toxicity**
None.

**Further information**
The product contains no substances classified as hazardous to health in concentrations which should be taken into account according to EC directive.

12. Ecological information

**Persistence / degradability**
Contains no substances known to be hazardous to the environment or not degradable in wastewater treatment plants.

13. Disposal considerations

**Waste from residues / unused products**
Dispose of in accordance with local regulations. European Waste catalogue code (EWC-code): 06 03 99.

**Contaminated packaging**
Clean container with water. Empty containers should be taken to local recyclers for disposal.

14. Transport information

**Further information**
Not classified as dangerous in the meaning of transport regulations.

15. Regulatory information

**Regulatory information**
KCI 3M:
NFPA Ratings (Scale 0-4):
HEALTH=1
FLAMMABILITY=0
REACTIVITY=0
SPECIAL=0
HMIS Ratings (Scale: 0=Minimal 1=Slight 2=Moderate 3=Serious 4=Severe):
HEALTH=1
FLAMMABILITY=0
REACTIVITY=0
PROT. EQUIPMENT=A (Safety Glasses)

WHMIS:
no Hazard class

Potassium chloride:
US CLASSIFICATION AND LABEL TEXT
US Statements: Caution: Avoid contact and inhalation.
Target organ(s): Heart.

UNITED STATES REGULATORY INFORMATION
SARA LISTED: No
TSCA INVENTORY ITEM: Yes

CANADA REGULATORY INFORMATION
WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.
DSL: Yes
NDSL: No

Symbol(s)
None.

R-phrase(s)
None.

S-phrase(s)
None.

16. Other information

Recommended use
For industrial application only.

End use
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release. It is not to be considered a warranty or quality specification.