

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%
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3. Hazards identification

None.

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

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	pH: ~6 Boiling point/range: ~212 °F (~100 °C) Relative density: ~1 g/ml Flash point: does not ignite Water solubility: completely miscible

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. <u>Potassium chloride:</u> 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.
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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.
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15. Regulatory information

Regulatory information	<u>KCI 3M:</u> NFPA Ratings (Scale 0-4): HEALTH=1 FLAMMABILITY=0 REACTIVITY=0 SPECIAL=0
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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.

