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# Material Safety Data Sheet

## Electrolyte KNO<sub>3</sub> 1 mol/l (9813)

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

<b>Use of the substance / preparation</b>	Electrolyte for reference electrodes.
<b>Chemical characterization</b>	Aqueous solution containing inorganic components.
<b>Product code</b>	51 340 047, 51 340 234, 51 343 182
<b>Supplier</b>	Mettler-Toledo Ingold, Inc. 36 Middlesex Turnpike Bedford, MA 01730, USA Phone: +1-781-301 88 00 Fax: +1-781-271 06 81
<b>Emergency telephone number</b>	+1-800-535 50 53 (Info Trac, 24 hrs)
<b>Revision date</b>	09.05.2007
<b>Number</b>	3

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### 2. Composition / information on ingredients

<b>Hazardous components</b>	The product contains no substances classified as hazardous to health in concentrations which should be taken into account according to EC directive. Contains: Potassium nitrate (CAS no 7757-79-1): 10%
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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

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### 4. First aid measures

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

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### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	No special measures required.
<b>Specific hazards</b>	The product is not flammable.

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### 6. Accidental release measures

<b>Personal precautions</b>	No special measures required.
<b>Environmental precautions</b>	No special environmental precautions required.
<b>Methods for cleaning up</b>	Contaminated surfaces will be extremely slippery. Clean up promptly by sweeping or vacuum.

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## 7. Handling and storage

<b>Handling</b>	No special precautions required.
<b>Storage</b>	Keep out of reach of children. Store at room temperature in the original container.

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## 8. Exposure controls / personal protection

<b>Exposure limit(s)</b>	Not available.
<b>Engineering measures to reduce exposure</b>	General industrial hygiene practice.
<b>Personal protection equipment: Respiratory protection</b>	No personal respiratory protective equipment normally required.
<b>Eye protection</b>	Avoid contact with eyes.

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## 9. Physical and chemical properties

<b>Form</b>	Liquid.
<b>Colour</b>	Colourless. Clear.
<b>Odour</b>	None.
<b>Physical and chemical properties</b>	pH: ~6 Boiling point/range: ~212 °F (~100 °C) Relative density: ~1 g/ml Flash point: does not ignite Water solubility: completely miscible

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## 10. Stability and reactivity

<b>Stability</b>	No decomposition if stored and applied as directed.
<b>Conditions to avoid</b>	Extremes of temperature and direct sunlight.
<b>Hazardous decomposition products</b>	None reasonably foreseeable.

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## 11. Toxicological information

<b>Acute toxicity</b>	No data is available on the product itself.  <u>Potassium nitrate:</u> RTECS: TT3700000 LD50/oral/rat = 3750 mg/kg. LD50/oral/rabbit = 1900 mg/kg.
<b>Local effects</b>	No data is available on the product itself.
<b>Long term toxicity</b>	None.
<b>Further information</b>	The product contains no substances classified as hazardous to health in concentrations which should be taken into account according to EC directive.

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## 12. Ecological information

<b>Persistence / degradability</b>	Contains no substances known to be hazardous to the environment or not degradable in wastewater treatment plants.
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## 13. Disposal considerations

<b>Waste from residues / unused products</b>	Dispose of in accordance with local regulations. European Waste catalogue code (EWC-code): 06 03 99.
<b>Contaminated packaging</b>	Clean container with water. Empty containers should be taken to local recyclers for disposal.

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## 14. Transport information

<b>Further information</b>	Not classified as dangerous in the meaning of transport regulations.
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## 15. Regulatory information

<b>Regulatory information</b>	<u>KNO<sub>3</sub> 1M:</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 nitrate:

US CLASSIFICATION AND LABEL TEXT

US Statements: Oxidizing. Target organ(s): Blood.

Central nervous system.

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

<b>Symbol(s)</b>	None.
<b>R-phrase(s)</b>	None.
<b>S-phrase(s)</b>	None.

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## 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.

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