



Safety Data Sheet (SDS)
CF-3000, 3 Molar Potassium Chloride Solution
Bioanalytical Systems Inc. (BASi)

Section 1: Identification

Product Identifier: CF-3001
3M Potassium Chloride Solution

Recommended Use: Reference electrode storage and refill solution

Manufacturer: Bioanalytical Systems Inc. (BASi)
2701 Kent Avenue
West Lafayette, IN 47906
Phone: 765-463-4527
Fax: 765-497-1102

Emergency Phone Number: 800-845-4246

Section 2: Hazard(s) Identification

Hazard Classification: Serious eye damage/irritation

Precautionary Statement: Wear appropriate eye personal protective equipment and avoid inhaling solution.

Section 3: Composition/Information on Ingredients

Chemical Name: Potassium Chloride

CAS#: 6838-04

Purity/Additives: 3 molar in DI water

Section 4: First-Aid Measures

Ingestion: Rinse mouth thoroughly. Call a Poison Center or doctor if you feel unwell.

Inhalation: Remove to fresh air; if breathing becomes difficult call a physician. If not breathing, then give artificial respiration and notify the EMS.

Skin Contact: Wash affected area thoroughly with soap and water. If irritation persists or systemic symptoms develop obtain emergency medical assistance.

Eye Contact: Flush with copious amounts of water for at least 15 minutes. Assure adequate flushing of the eyes by holding eyelids open and obtain emergency medical assistance immediately.

Section 5: Fire-Fighting Measures

Flash Point: N/A

Flammable Limits in Air: N/A

Autoignition Temperature: N/A

<i>Extinguishing Media:</i>	Product is a non-combustible mixture. Use whatever is suitable for surrounding area. Water spray may be used to keep fire exposed containers cool.
<i>Special Firefighting Procedure:</i>	Wear self-contained breathing apparatus and protective clothing. Water may be used to flush spills away from exposure.
<i>Unusual Fire/Explosion Hazard:</i>	NA

Section 6: Accidental Release Measures

<i>Clean Up Procedure:</i>	Sweep up for disposal and wear a dust mask.
<i>Disposal:</i>	Dispose in sealed containers according to Federal, State, and Local regulations.
<i>Respiratory Protection:</i>	Use an OSHA approved respirator.
<i>Ventilation:</i>	A system of general or local exhaust is sufficient under normal laboratory conditions.
<i>Eye/Skin Protection:</i>	Safety glasses should be worn at all times. Protective clothing should be worn where skin irritation or other effects may occur.

Section 7: Handling and Storage

<i>Precautions for handling:</i>	Wear safety glasses and gloves.
<i>Recommendations for storage:</i>	Store product in a cool and dry place.

Section 8: Exposures Controls/Personal Protection

Exposure Limits: None of the components have assigned exposure limits

Section 9: Physical and Chemical Properties

<i>Appearance:</i>	Clear or slightly cloudy solution
<i>Formula:</i>	KCl
<i>Formula Weight:</i>	74.55 g/mol
<i>Solubility:</i>	344 g/L (20 °C)
<i>Boiling Point:</i>	1500 °C
<i>Melting Point:</i>	770-776 °C
<i>Vapor Pressure:</i>	No data available
<i>Density:</i>	1.99 g/cm ³ (20 °C)

Section 10: Stability and Reactivity

<i>Stability:</i>	Stable
<i>Incompatibilities:</i>	None known
<i>Conditions to Avoid:</i>	None known
<i>Hazardous Polymerization:</i>	Will not occur

Decomposition Products: None known

Section 11: Toxicological Information

Exposure Routes: Inhalation, ingestion, eyes, and prolonged skin contact.

Symptoms of Overexposure: Possible respiratory irritant; may irritate skin and eyes on contact.

Effects of Overexposure: Irritation to respiratory system, skin, and/or eyes. Harmful if swallowed.

Section 16: Other Information

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