

# Electro-Gel

## Material Safety Data Sheet

### Section I – Substance Identification

Substance: **ELECTRO-GEL** (EEG Electrode Gel)

Emergency and Information  
Telephone No. 800-527-2193  
or 937-456-6099

Manufacturer:  
ELECTRO-CAP INTERNATIONAL, INC.  
1011 West Lexington Road  
Eaton, Ohio 45320

Date Revised: August 1, 2008

### Section II – Hazardous Ingredients/Identify Information

#### HAZARDOUS COMPONENTS AND EXPOSURE LIMITS:

Electro-Gel is an off white color, water-miscible conductive gel intended for use with the Electro-Cap and other non-disposal neurodiagnostic electrodes.

Electro-Gel is a mixture of the following components: Water, Sodium Chloride, Aragum T-1998 (Arabic Gum, Guar Gum, Xanthan Gum), Potassium Bitartrate (Cream of Tartar), Glycerin, Methylparaben and Propylparaben.

Since Electro-Gel is not intended to become airborne, no OSHA PEL applies.

### Section III – Physical/Chemical Characteristics

Boiling Point.....	N/A	Specific Gravity (H <sub>2</sub> O=1)...	N/A
Vapor Pressure (mm Hg.)...	N/A	Melting Point.....	110°F
Vapor Density (AIR=1).....	N/A	Evaporation Rate.....	N/A
Solubility in Water.....	Partial		

Appearance and Odor: Off White gel. Basically odorless.

### Section IV – Fire and Explosive Hazard Data

The material is a nonflammable gel.

### Section V – Reactivity

The material is stable and non-reactive under normal conditions. Hazardous Polymerization will not occur.

### Section VI – Health Hazard Data

ROUTE(S) OF ENTRY: Primarily cutaneous, however eye contact and limited ingestion is possible.

**SKIN:** Health Hazards beyond those associated with drying and chapping of skin or minor sensitivity have not been demonstrated, however, Electro-Gel should be used cautiously on patients with a history of skin allergies. Electro-Gel is to be used as a conductive gel between the electrodes and healthy intact skin only. The use of Electro-Gel as a conductor between the scalp and the electrodes, in conjunction with typical procedures used during neurodiagnostic procedures, carries a slight risk for infection at the electrode site, if the skin is damaged during the procedure.

**SIGNS AND SYMPTOMS OF PROBLEMS:** Any persistent redness, soreness, burning, itching or swelling should be reported immediately to a physician.

**EYES:** May cause mild transient irritation.

**SIGNS AND SYMPTOMS OF PROBLEMS:** May cause stinging, tearing, itching, swelling and/or redness.

**INGESTION:** The gel is essentially non-toxic, however ingestion could result in nausea, vomiting and/or diarrhea

**EMERGENCY AND FIRST AID PROCEDURES:**

**EYE CONTACT:** Wash eyes with appropriate 0.9% saline solution, commercial eye wash solution or water to flush out residual particles. Avoid rubbing eyes.

**SKIN IRRITATION:** Rinse thoroughly with water. If symptoms persist or reoccur, seek medical attention.

**INGESTION:** Drink 1 to 2 glasses of water if ingested.

**Section VII – Precautions for Safe Handling and Use**

- ❖ Use gel for the purposes intended in accordance with printed instructions for use.
- ❖ Electro-Gel is applied by inserting the gel into the electrodes by using a syringe and 16g blunted needle. Wash from hands after applying to patient.
- ❖ Routine clean up with tap water.
- ❖ Do not use on or near injured skin.
- ❖ Keep lid tightly closed and store at room temperature.
- ❖ Keep out of reach of children.
- ❖ Local exhaust is not required with normal use.

**Section VIII – Handling of Spills or Leaks**

- ❖ Wipe up any spilled materials for disposal.
- ❖ No special handling is required for disposal of small amounts, which may be flushed down an acceptable sewer.

**Section IX – Other Information**

D.O.T. – Not regulated.

EPA Reportable Quantity – Not applicable

The submission of this MSDS may be required by law but is not an assertion that the substance is hazardous when used in accordance with proper safety practices and normal handling procedures.

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