1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Solid Gel EKG Snap Electrodes
Use/Size: Electrode Article used in Medical Application
Product Numbers: 22450, 22453, 22455, 22850, 22855, 31013926, 31050522, 31078135, 31112496, 31115788, 31115796, 31118733, 31181129, 31194621U, 31371308, 31439725, 31439766, 31452389, 31452405, 31478368, 31478376, 31479457, 31488177, 31499224, 31530846, 40000003, 40000004, 40000005, 40000013, 40000020, 50000037, ES20250, ES20329, ES40025, ES40250, ES40325, ES60250, ES60300, ES60301

Manufacturer/Supplier: Tyco Healthcare/Kendall
Address: 15 Hampshire Street
Mansfield, MA 02048
Phone Number: (508) 261-8000 (Monday – Friday 8:00 am to 5:00 pm)
Chemtrec Number: (800) 424-9300
Revision Date: February 1, 2005
MSDS Date: February 1, 2005

This MSDS has been compiled in accordance with - EC Directive 91/155/EC - OSHA’s Hazcom Standard (29 CFR 1910.1200)

2. COMPOSITION/INFORMATION ON THE COMPONENTS

<table>
<thead>
<tr>
<th>Component Name</th>
<th>CAS#/Codes</th>
<th>Concentration</th>
<th>R Phrases</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electrode</td>
<td>Proprietary</td>
<td>100.0%</td>
<td>R-None</td>
<td>None</td>
</tr>
</tbody>
</table>

3. HAZARD IDENTIFICATION

EU Main Hazards
Not classified as hazardous.

Routes of Entry
- Eye contact - Skin contact

Carcinogenic Status
Not considered carcinogenic by NTP, IARC, and OSHA.

Target Organs
- Eye - Skin

Health Effects - Eyes
Contact with electrode may cause slight transient irritation.

Health Effects - Skin
Electrode is non-irritating to skin.

Health Effects - Ingestion
No adverse effects are expected during normal conditions of use.

Health Effects - Inhalation
No adverse effects are expected during normal conditions of use.
4. FIRST AID MEASURES

Eyes
Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Obtain medical attention if soreness or redness persists.

Skin
Wash skin thoroughly with soap and water. Continue washing for at least 15 minutes. Remove contaminated clothing as washing proceeds. Obtain medical attention if blistering occurs or redness persists.

Ingestion
If article is accidentally swallowed, seek medical attention immediately.

Inhalation
Inhalation hazard is not possible with this article.

Advice to Physicians
Treat symptomatically.

5. FIRE FIGHTING MEASURES

Extinguishing Media
Not Flammable. Select extinguishing agent appropriate to other materials involved.

Unusual Fire and Explosion Hazards
This product may give rise to hazardous fumes in a fire.

Protective Equipment for Fire-Fighting
Wear full protective clothing and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

This article should be picked up or sweep up and disposed of as solid waste.

7. HANDLING AND STORAGE

Wear appropriate personal protective equipment when handling. Storage area should be: - cool - dry

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Standards
Exposure limits are listed below, if they exist.

Electrode
None assigned.

Engineering Control Measures
No specific controls are necessary.

Respiratory Protection
Respiratory protection is not required.

Hand Protection
Protective gloves.

Eye Protection
Chemical goggles or safety glasses with side shields may be worn.
9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Solid article</td>
</tr>
<tr>
<td>Color</td>
<td>Multi-colored</td>
</tr>
<tr>
<td>Odor</td>
<td>Odorless</td>
</tr>
<tr>
<td>pH</td>
<td>Approximately 3 - 5 (based on conductive salt contained within)</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Boiling Range/Point (°C/F)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Melting Point (°C/F)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flash Point (PMCC) (°C)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Negligible</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Completely insoluble</td>
</tr>
<tr>
<td>Vapor Density (Air = 1)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not applicable</td>
</tr>
<tr>
<td>VOC (g/l)</td>
<td>0.0</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

Stability
Stable under normal conditions.

Conditions to Avoid
- Contact with incompatible materials

Materials to Avoid
- Strong oxidizing agents - Strong Bases

Hazardous Polymerization
Will not occur.

Hazardous Decomposition Products

11. TOXICOLOGICAL INFORMATION

Acute Toxicity
(Electrode) Primary skin irritation (modified Draize testing) was non-irritating.
(Electrode) This article has tested negative for skin sensitization by Buehler Patch testing.
(Electrode) USP Agar Diffusion testing has shown this article to be non-cytotoxic.

Chronic Toxicity/Carcinogenicity
This product is not expected to cause long term adverse health effects.

Genotoxicity
This product is not expected to cause any mutagenic effects.

Reproductive/Developmental Toxicity
This product is not expected to cause reproductive or developmental health effects.
12. ECOLOGICAL INFORMATION

Mobility
No relevant studies identified.

Persistence/Degradability
No relevant studies identified.

Bio-accumulation
No relevant studies identified.

Ecotoxicity
No relevant studies identified.

13. DISPOSAL

Dispose of in accordance with all applicable local and national regulations.

14. TRANSPORT INFORMATION

DOT CFR 172.101 Data
Not Regulated

UN Proper Shipping Name
Not Regulated

UN Class
None.

UN Number
None.

UN Packaging Group
None.

Classification for AIR
Consult current IATA Regulations prior to shipping by air.

15. REGULATORY INFORMATION

EU Label Information
Classification and labelling have been performed according to EU directives 67/548/EEC and 99/45/EC including amendments.

EU Hazard Symbol and Indication of Danger

R phrases
None.

S phrases
None.

US REGULATIONS (Federal, State) and INTERNATIONAL CHEMICAL REGISTRATION LAWS

TSCA Listing
This product contains ingredients that are listed on or exempt from listing on the EPA Toxic Substance Control Act Chemical Inventory.

EINECS Listing
All ingredients in this product are listed on the European Inventory of Existing Commercial Chemical Substances (EINECS) or are exempt from listing.

DSL (Canadian) Listing
All ingredients in this product are listed on or exempted from listing on the Domestic Substance List (DSL).

WHMIS Classification
This article is exempt under WHMIS.
This product was classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations and the MSDS contains all the information required by these regulations.

**MA Right To Know Law**
This product and its components are exempt from the requirements of the Massachusetts Right To Know Substance List.

**PA Right To Know Law**
This product and its components are exempt from the requirements of the Pennsylvania Hazardous Substance List.

**NJ Right To Know Law**
This product and its components are exempt from the requirements of the New Jersey Workplace Hazardous Substance List.

**California Proposition 65**
This product contains no chemicals that have been found by the State of California to cause cancer, birth defects or other reproductive harm.

**SARA Title III Sect. 302 (EHS)**
This product does not contain any chemicals subject to SARA Title III Section 302.

**SARA Title III Sect. 304**
This product does not contain any chemicals subject to SARA Title III Section 304.

**SARA Title III Sect. 311/312 Categorization**
Immediate (Acute) Health Hazard

**SARA Title III Sect. 313**
This product and its components are exempt from the requirements of Section 313.

### 16. OTHER INFORMATION

**NFPA Ratings**
- NFPA Code for Flammability - 0
- NFPA Code for Health - 0
- NFPA Code for Reactivity - 0
- NFPA Code for Special Hazards - 0

**HMIS Ratings**
- HMIS Code for Flammability - 0
- HMIS Code for Health - 0
- HMIS Code for Reactivity - 0
- HMIS Code for Personal Protection - See Section 8

### 16. OTHER INFORMATION

**Abbreviations**
- N/A: Denotes no applicable information found or available
- CAS#: Chemical Abstracts Service Number
- ACGIH: American Conference of Governmental Industrial Hygienists
- OSHA: Occupational Safety and Health Administration
- TLV: Threshold Limit Value
- PEL: Permissible Exposure Limit
- STEL: Short Term Exposure Limit
- NTP: National Toxicology Program
- IARC: International Agency for Research on Cancer
R: Risk
S: Safety
LC50: Lethal Concentration 50%
LD50: Lethal Dose 50%
BOD: Biological Oxygen Demand
KoC: Soil Organic Carbon Partition Coefficient

Prepared By: EnviroNet LLC.

The information and recommendations presented in this MSDS are based on sources believed to be accurate; therefore, Tyco Healthcare/Kendall Company assumes no liability for the accuracy or completeness of this information. It is the user's responsibility to determine the suitability of the information for their particular purposes.