

Material Safety Data Sheet

Section 1 Chemical Identification

Name: Buffer Return Electrode Hydrogel.

Section 2 Composition and Information on ingredients

Compound	CAS #
Polyquaternium #22	53694-17-0
Polyethylene Glycol	25322-68-3
Ethylenedinitrilotetrapropanol	102-60-3
Methyl Sulfoxide	67-68-5
Polyacrylate Co-polymer	28062-44-4

Section 3 Hazards Identification

NFPA Rating: Health: 1 Fire: 0 Reactivity: 0

Formulated and manufactured for skin contact.

Do not ingest.

Avoid eye contact.

Inhalation: N/A

Hydrogel is not considered a carcinogen under OHSA, ACGIH, NTP, or IARC guidelines.

Section 4 First Aid Measures

If a skin rash develops, discontinue use. Provide treatment to the affected area as needed.

If ingestion occurs, see a physician.

If eye contact occurs, flush with water for five minutes. Provide additional treatment as needed.

Section 5 Fire Fighting Measures

Extinguishing media: Water spray, carbon dioxide, dry chemical or appropriate foam.

Special fire fighting procedures: Wear self-contained breathing apparatus.

Unusual fire and explosion hazards: None.

Section 6 Accidental Release Measures

None.

Section 7 Handling and Storage

Keep tightly closed to prevent evaporation of water. Store in cool dry place.

Section 8 Exposure Controls and Personal Protection

None.

Section 9 Physical and Chemical Properties

Appears as clear viscous hydrogel cast into a thin film supported by polyethylene and polyester plastic films.

Section 10 Stability and Reactivity

Hydrogel is incompatible with strong oxidizing agents.

Hazardous combustion products include carbon monoxide, carbon dioxide and oxides of nitrogen, chloride and sulfur.

Hazardous polymerization will not occur.

Section 11 Toxicological Information

Hydrogel has passed the ISO 10993-1 requirements for skin contact. It demonstrated no cytotoxicity, no irritation and no sensitization upon skin contact.

Section 12 Disposal Considerations

The preferred means of disposal is destructive incineration or disposal as solid waste. Observe all federal, state and local environmental regulations for disposal.

Section 13 Transportation Information

Not DOT, ICAO or IMO regulated.

Section 14 Regulatory Information

Not considered hazardous under OSHA or EPA regulations.

Section 15 Other Information

The above information is believed to be correct, but does not purport to be all-inclusive and shall be used only as a guide. Axelgaard Mfg. Co., Ltd. shall not be held liable for any damage resulting from the handling or from contact with the above product.

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