

# MATERIAL SAFETY DATA SHEET

First Edition: 13 Feb 2013

## Section 1 – Identification of the Substance/Mixture and of the Company/Undertaking

Product name: Elefix  
Product code: Z-181BE, Z-181JE  
Supplier: Nihon Kohden Corporation  
Address: 1-31-4 Nishiochiai, Shinjuku-ku, Tokyo 161-8560, Japan  
Telephone number: +81 (3) 5996-8036  
Fax: +81 (3) 5996-8100  
Website for contact: <http://www.nihonkohden.com/contact/intl.html>  
Emergency telephone number: 1-800-424-9300; CHEMTREC (US)  
613-996-6666; CANUTEC (Canada)  
+81 (3) 5996-8022 (Outside US and Canada)  
Recommended use and restrictions on use: Electrode paste for EEG

## Section 2 – Hazards Identification

GHS classification: Not applicable

## Section 3 – Composition/Information on Ingredients

Substance/mixture: Mixture

Ingredients of the paste\*1:

| Chemical Name                         | EINECS  | CAS No.    |
|---------------------------------------|---------|------------|
| Water                                 | 2317912 | 7732-18-5  |
| Polyoxyethylene oleyl ether phosphate | —       | 39464-69-2 |
| Glycerin                              | 2002895 | 56-81-5    |
| Calcium carbonate                     | 2074399 | 471-34-1   |
| Liquid petrolatum                     | 2324558 | 8042-47-5  |
| Propylene glycol                      | 2003380 | 57-55-6    |
| Lanolin alcohol                       | 2324301 | 8027-33-6  |
| Sodium chloride                       | 2315983 | 7647-14-5  |
| Sodium hydroxide*2                    | 2151855 | 1310-73-2  |
| Polyoxyethylene hydrogenated lanolin  | —       | 68648-27-1 |
| Coconut fatty acid diethanolamide     | 2716570 | 68603-42-9 |
| Polyoxyethylene stearylether          | —       | 9005-00-9  |
| Polyoxyethylene oleyl ether           | —       | 9004-98-2  |
| Dibutylhydroxytoluene*3               | 2048814 | 128-37-0   |
| Methyl parahydroxybenzoate*3          | 2027857 | 99-76-3    |
| Propyl parahydroxybenzoate            | 2023077 | 94-13-3    |

\*1 For details of the ingredients, contact your Nihon Kohden representative.

\*2 Neutralized with polyoxyethylene oleyl ether phosphate

\*3 Content: less than 0.1%

Other ingredients: Tube: Low-density polyethylene  
Cap for the tube: Polypropylene  
Label on the tube: Laminated paper (Adhesive: Acrylic)

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## Section 4 – First Aid Measures

|              |   |
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| Eye contact: | Wash thoroughly with running water for few minutes. Then remove contact lenses when they are in the eyes and can be removed easily. Keep rinsing eyes out with water. If irritation continues, consult a physician. |
| Ingestion:   | If feeling unwell, consult a physician.   |

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## Section 5 – Fire-fighting Measures

|                                       |  |
|---------------------------------------|--|
| Extinguishing media:                  | Powder extinguisher, foam extinguisher, CO <sub>2</sub> extinguisher, water          |
| Special fire fighting procedures:     | Not needed. Use the above extinguisher and extinguish a fire from the windward side. |
| Protective actions for fire-fighters: | Extinguish a fire from the windward side. Wear appropriate gloves and mask.          |

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## Section 6 – Accidental Release Measures

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| Environmental precautions: | Do not release the product in the environment. |
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## Section 7 – Handling and Storage

|                       |   |
|-----------------------|---|
| Handling:             |   |
| Technical measures:   | Should be handled by trained personnel.<br>Do not use the expired product.<br>Use up the product as soon as possible.<br>Close the cap each time.                           |
| Safe handling advice: | Before using the product, read the operator's manual thoroughly. Use the product after understanding all the precautions on the manual.<br>Wash hands thoroughly after use. |
| Storage:              |   |
| Storage conditions:   | Avoid direct sunlight. Store in a well-ventilated and dark place.<br>Keep the product away from children.   |

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## Section 8 – Exposure Controls/Personal Protection

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| Hygienic measures: | Wash hands thoroughly after use.<br>Wipe the product away from patient skin with water or lukewarm water. |
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## Section 9 – Physical and Chemical Properties

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|--|--|
| Appearance (physical state, color etc.): |  |
| Physical state:                          | Greasy   |
| Color:                                   | Creamy white   |
| Odor:                                    | None   |
| pH:                                      | Slightly alkaline (1% suspension)                                  |
| Boiling point:                           | 105°C  |
| Melting point:                           | 75°C   |
| Density:                                 | 1.07 g/cm <sup>3</sup>   |
| Flash point:                             | 151°C (Cleveland open-cup method)                                  |
| Auto-ignition point:                     | 490°C  |
| Aqueous solubility:                      | Everything except calcium carbonate (colorant) dissolves in water. |

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## Section 10 – Stability and Reactivity

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| Hazardous decomposition produce: | If burnt, carbon oxide or other hazardous gas or vapor might be produced. |
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## Section 11 – Toxicological Information

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|----------------------------|---|
| Acute toxicity:            | No data   |
| Skin corrosion/irritation: | No abnormality was found on a rabbit skin patch test.         |
| Skin sensitization:        | No abnormality was found on a marmot skin sensitization test. |

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## Section 12 – Ecological Information

No data

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## Section 13 – Disposal Considerations

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|-----------------------------------|---|
| Waste of the remainder:           | Follow your local laws and your facility's guidelines for waste disposal. |
| Pollution container and wrapping: | Follow your local laws and your facility's guidelines for waste disposal. |

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## Section 14 – Transport Information

|                           |   |
|---------------------------|---|
| International regulation: | Not applicable  |
| National regulation:      | Not applicable  |
| Special safety measure:   | Avoid high temperature, direct sunlight and wetting. Load the product without damaging or wetting the product. Take measures for preventing cargo shift.<br>Transport the product avoiding friction or shake. |

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## Section 15 – Regulatory Information

None

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## Section 16 – Other Information

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| Reference: | Standards for Cosmetics (Ministry of Health and Welfare Notification No. 331 of 2000)<br>Japan Chemical Industry Ecology-Toxicology & Information Center, 1992<br>CTFA Cosmetic Ingredient Dictionary 3rd, Ed. & Supplement (The Cosmetic, Toiletry and Fragrance Association)<br>International Chemical Safety Cards (ICSC) – Japanese version<br>Kishida Chemical Co., Ltd. MSDS<br>Tokyo Chemical Industry Co., Ltd. MSDS<br>Chemical Risk Information Platform (CHRIP) by National Institute of Technology and Evaluation |
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This data sheet is complete and accurate to the best of our knowledge but all information may not be covered. Any product may contain unknown harmful substances. This product must be handled carefully and used under the responsibility of the user, taking appropriate safety measures.