

Material Safety Data Sheet

Original: Mar 10, 1995

Revised : Jan 22, 2008

File No. 0025

1. Product and Company Identification	Product name Internal Solution for Mercury Sulfate Reference Electrode (Product Code Number: 98-811-5012) Company name Kyoto Electronics Manufacturing Co., Ltd. Address 56-2 Ninodan-cho, Shinden, Kisshoin, Minami-ku, Kyoto-City, JAPAN Division Quality Assurance Unit Phone +81-75-691-4125 Fax +81-75-691-9536														
2. Composition/ Information on Ingredients	Single product or mixture: Single (solution) Composition: <table border="1" data-bbox="517 685 1455 819"> <thead> <tr> <th rowspan="2">Chemical name</th> <th rowspan="2">Content</th> <th rowspan="2">Formula</th> <th colspan="2">Official gazette number</th> <th rowspan="2">CAS No.</th> </tr> <tr> <th>Chem.</th> <th>UN No.</th> </tr> </thead> <tbody> <tr> <td>Potassium Sulfate</td> <td>100g/L</td> <td>K₂SO₄</td> <td>1-454</td> <td>-</td> <td>7778-80-5</td> </tr> </tbody> </table>	Chemical name	Content	Formula	Official gazette number		CAS No.	Chem.	UN No.	Potassium Sulfate	100g/L	K ₂ SO ₄	1-454	-	7778-80-5
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3. Hazards Identification	Classification : Not applicable to the classification standard.														
4. First Aid Measures	Eyes : Immediately wash in flowing water well and seek medical attention. Skin : Flush skin in large amounts of water. Inhalation : Remove individual to fresh air and give a rest. Ingestion : Drink large amounts of water and induce vomiting followed by getting medical aid.														
5. Fire-fighting Measures	Extinguishing method : Remove container to safe place for surrounding fire. If container cannot be removed, cool surrounding of container with water. Extinguishing media : Water spray. Carbon dioxide, dry chemical powder or appropriate foam.														
6. Accidental Release Measures	Should collect material into a suitable empty container. Do not allow spilled material to flow into sewage or other public waters.														
7. Handling and Storage	Handling : Wear appropriate protective equipment to avoid inhalation or eye/skin/clothing contact. Storage : Keep a container closed in a cool and dark place to avoid direct sunshine.														
8. Exposure Control and Personal Protection	Control concentration : Not specified Permissible concentration [JCGIH] : Not specified [ACGIH] : Not specified Facilities : Provide local ventilation. : Provide facilities for cleaning eyes and body. Protective equipment : Wear appropriate protective clothing such as protective glasses / gloves / mask.														
9. Physical and Chemical Properties	Appearance : Colorless liquid Vapor pressure : — Boiling point : ca. 100 °C Specific gravity : 1.08 (25 °C) Melting point : — Volatility : — Solubility : — Other properties : —														
10. Stability and Reactivity	Flash point : — Ignition point : — Combustion range : — Stability/ Reactivity : Stable														

11. Toxicological Information	Skin corrosion: No Data Skin irritation: Irritate Skin or eyes Sensitivity: No Data Acute toxicity (50% lethal dose): Oral rat LD50: 6,600mg/kg Subacute toxicity: No Data Chronic toxicity: No Data Carcinogenicity: No Data Mutagenicity (microorganism, chromosome aberration): No Data reproductive toxicity: No Data Teratogenesis: No Data Others (including the generation of poisonous gas by the reaction with water) : None
12. Ecological Information	Degradability: No Data Cumulative risk: No Data fish toxicity: No Data
13. Disposal Considerations	After dissolving in plenty amounts of water and mixing with soda ash, neutralize it with acid and dispose of it with large amounts of water into sewage drain.
14. Transport Information	Firmly secure the lid of the container to prevent the leakage of the content. Prevent any possible damages of the container, such as tumbling or falling.
15. Regulatory Information	Not Applicable
16. Other Information	References: Material Safety Data Sheet (MSDS) No. 28812 (Nakalai Tesque, Inc.)

- * Since the evaluation of hazards/toxicity does not purport to be all-inclusive, the user must handle the material with an utmost care.
- * In the above description, the data of content, physical/chemical properties and the like are not guaranteed.
- * The remarks described above are based on the normal use of the material. Therefore, in a particular case, we shall not be liable for any damages or loss caused at the user's site.