

**MATERIAL SAFETY DATA SHEET**
**EC-SCS-CA3-BT**  
**(Calcium Standard 100 ppm CaCl<sub>2</sub>)**

 Last updated on 14<sup>th</sup> October 2008

**EUTECH INSTRUMENTS PTE LTD.**

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**GENERAL INFORMATION**

|                            |  |
|----------------------------|--|
| PRODUCT NAME:              | 100 ppm Calcium Standard                       |
| MANUFACTURE'S NAME:        | Eutech Instrument PTE LTD                      |
| DISTRIBUTED BY:            | Eutech Instrument PTE LTD                      |
| CHEMICAL NAME:             | Calcium Chloride in Water                      |
| CHEMICAL FAMILY:           | Salt Solution                                  |
| EEUTECH SAF-T-DATA SYSTEM: | Health-0, Fire-0, Reactivity-0, Specific-none. |

**INGREDIENTS**

|   |         |
|---|---------|
| CAS NO:                                     | NE      |
| % of CaCl <sub>2</sub> :                    | <1.0 %  |
| % of water:                                 | >99.0 % |
| OSHA/PEL:                                   | NE      |
| ACGIH/TLV:                                  | NE      |
| LD50(mg/kg) oral-rat of CaCl <sub>2</sub> : | 1,000   |

**PHYSICAL DATA**

|                         |                              |
|-------------------------|------------------------------|
| Appearance & Odor:      | Liquid, Colorless & Odorless |
| Physical State:         | Liquid                       |
| Boiling Point:          | 100°C                        |
| Vapour Pressure (mmHg): | NA                           |
| Freezing Point:         | 0°C                          |
| Vapour Density:         | NA                           |
| Specific Gravity:       | 1.0                          |
| Solubility:             | Soluble                      |
| pH:                     | 5.5-7.5                      |

**FIRE AND EXPLOSION HAZARD DATA**

|                                     |               |
|-------------------------------------|---------------|
| Flash Point:                        | Not Flammable |
| Auto ignition Temperature:          | NA            |
| Fire Extinguishing Media:           | Any           |
| Special Fire-fighting procedures:   | NA            |
| Unusual Fire and Explosion Hazards: | NA            |

**HEALTH HAZARD DATA**

|                           |   |
|---------------------------|---|
| Effects of Overexposure:  | Low hazard for all routes of entry due to low concentration of salt.  |
| Emergency and First Aid : | Flush with water. Internal: consult physician   |
| Eyes & Skin               | Possible irritation of skin for repeated exposure. May cause burning and irritation in an open cut. Flush with water. |
| Ingestion/Inhalation:     | Consult physician.  |

**REACTIVITY DATA**

|                           |                |
|---------------------------|----------------|
| Stability:                | Stable         |
| Condition to avoid:       | None           |
| Incompatibles:            | None           |
| Decomposition products:   | None           |
| Hazardous polymerization: | Will not occur |

**SPILL AND DISPOSAL PROCEDURES**

|                         |   |
|-------------------------|---|
| Steps to be taken :     | Clean up and wash down drain with water.  |
| Disposal procedure:     | Dispose in accordance with all applicable federal, state and local environmental regulations. |
| Ventilation:            | None  |
| Respiratory protection: | None  |
| Eye protection:         | Safety goggles  |

**STORAGE AND HANDLING PRECAUTIONS**

|                       |   |
|-----------------------|---|
| Storage requirements: | Store at room temperature to protect product integrity. This product is not regulated under SARA Title III. |
|-----------------------|---|

**TRANSPORTATION DATA AND ADDITIONAL INFORMATION**

**Domestic (D.O.T.)**

|                       |                                   |
|-----------------------|-----------------------------------|
| Proper shipping name: | Chemicals, N.O.S. (non-regulated) |
|-----------------------|-----------------------------------|

**International (I.M.O.)**

|                       |                                   |
|-----------------------|-----------------------------------|
| Proper shipping name: | Chemicals, N.O.S. (non-regulated) |
| Marine pollutants:    | Acid                              |

**Air (I.C.A.O.)**

|                       |                                   |
|-----------------------|-----------------------------------|
| Proper shipping name: | Chemicals, N.O.S. (non-regulated) |
|-----------------------|-----------------------------------|

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