

**MATERIAL SAFETY DATA SHEET**
**EC-SCS-CD1-BT**  
**(Cadmium Standard 0.1M Cd(NO<sub>3</sub>)<sub>2</sub>·4H<sub>2</sub>O)**

 Last updated on 10<sup>th</sup> October 2008

**EUTECH INSTRUMENTS PTE LTD.**

Blk 55, Ayer Rajah Crescent, #04-16/24, Singapore 139949

Tel: (65) 6778 6876, Fax: (65) 6773 0836

 Website: <http://www.eutechinst.com>

 E-mail: [eutech@thermofisher.com](mailto:eutech@thermofisher.com)

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**GENERAL INFORMATION**

PRODUCT NAME:	0.1 M Cadmium Standard
MANUFACTURE'S NAME:	Eutech Instrument PTE LTD
DISTRIBUTED BY:	Eutech Instrument PTE LTD
CHEMICAL NAME:	Cadmium Nitrate in Water
CHEMICAL FAMILY:	Salt Solution

**INGREDIENTS**

CAS NO:	10022-68-1
% of : Cd(NO <sub>3</sub> ) <sub>2</sub> ·4H <sub>2</sub> O	>4.0%
% of water:	<96.0%
OSHA/PEL:	0.2 mg/cm <sup>3</sup>
ACGIH/TLV:	0.2 mg/cm <sup>3</sup>
LD50(mg/kg) oral-rat of Cd(NO <sub>3</sub> ) <sub>2</sub> ·4H <sub>2</sub> O	100 mg/kg

**PHYSICAL DATA**

Appearance & Odor:	Liquid, Colorless & Odorless
Physical State:	Liquid
Boiling Point:	100°C
Vapour Pressure (mmHg):	NA
Freezing Point:	NA
Vapour Density:	NA
Specific Gravity:	1.01
Solubility:	NA
pH:	7.0

**FIRE AND EXPLOSION HAZARD DATA**

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

**HEALTH HAZARD DATA**

Effects of Overexposure:	NA
Skin :	After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cold water may be used. Cover the irritated skin with an emollient. If irritation persists, seek medical attention.
Eyes	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15mins. Cold water may be used. Do not use an eye ointment. Seek medical attention.
Ingestion/Inhalation:	Allow the victim to rest in a well ventilated area. Seek immediate medical attention. DO NOT induce vomiting. Examine the lip and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as collar, tie, belt or waistband. If victim is not breathing, perform mouth to mouth resuscitation. Seek medical attention. .

**REACTIVITY DATA**

Stability:	Stable
Condition to avoid:	Heat
Incompatibles:	Highly reactive with reducing agents, combustible materials, organic materials.
Special remarks on reactivity	NA
Hazardous polymerization:	Will not occur

**SPILL AND DISPOSAL PROCEDURES**

Steps to be taken in the events of a spill or discharge:	Wash away with water
Disposal procedure:	Dispose in accordance with all applicable federal, state and local environmental regulations
Ventilation:	None
Respiratory protection:	None
Eye/Skin protection:	Safety glasses / Lab coat

**STORAGE AND HANDLING PRECAUTIONS**

Storage requirements:	Keep away from heat, sources of ignition. Keep away from incompatibles such as reducing agents, combustible material, and organic material. Keep container tightly closed. Keep in cool, well-ventilated place. Highly toxic or infectious materials should be stored in separated locked safety storage cabinet or room.
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**TRANSPORTATION DATA AND ADDITIONAL INFORMATION**

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

Proper shipping name:	N/A (Not Regulated for Shipping)
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**International (I.M.O.)**

Proper shipping name:	N/A (Not Regulated for Shipping)
Marine pollutants:	Acid

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

Proper shipping name:	N/A (Not Regulated for Shipping)
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