

## MATERIAL SAFETY DATA SHEET

### Lead ISA 5M NaClO<sub>4</sub> (EC-ISA-Pb1-BT)

Last updated on 15 September 2006

#### 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: [marketing@eutechinst.com](mailto:marketing@eutechinst.com)

This information is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability, or fitness for any particular use, or any other warranty, express or implied, with respect to this information, and we assume no liability resulting from the use of this information. Users should make their own investigations to determine the suitability of the information for their particular needs and purposes.

#### GENERAL INFORMATION

PRODUCT NAME:	Lead ISA 5M NaClO <sub>4</sub>
MANUFACTURE'S NAME:	Eutech Instrument PTE LTD
DISTRIBUTED BY:	Eutech Instrument PTE LTD
CHEMICAL NAME:	Sodium Perchlorate in Water
CHEMICAL FAMILY:	Salt Solution

#### INGREDIENTS

CAS NO:	7791073
% of : NaClO <sub>4</sub>	70%
% of water:	30%
OSHA/PEL:	none
ACGIH/TLV:	none
LD50(mg/kg) oral-rat of NaClO <sub>4</sub>	1150mg/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:	1.1
Solubility:	NA
pH:	4.5-7.0

### FIRE AND EXPLOSION HAZARD DATA

Flash Point:	Not Flammable
Auto ignition Temperature:	NA
Fire Extinguishing Media:	Water Spray & Appropriate Foam
Special Fire-fighting procedures:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes
Unusual Fire and Explosion Hazards:	Contact with other material may cause fire

### HEALTH HAZARD DATA

Effects of Overexposure:	
Emergency and First Aid :	Wash off affected area with water or induce vomiting if ingested.
Eyes & Skin	Wash off with large amounts of water for 15 minutes.
Ingestion/Inhalation:	If swallowed, wash out mouth with water provided person is conscious. Call a physician. If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen..

### REACTIVITY DATA

Stability:	Stable
Condition to avoid:	Humidity
Incompatibles:	Organic materials, strong Acids
Decomposition products:	Nil
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:	Wear respiratory
Eye/Skin protection:	Safety goggles / chemical resistant gloves

**STORAGE AND HANDLING PRECAUTIONS**

Storage requirements:	Keep tightly closed. Keep in cool dark area. Do not store near, nor allow contact with, clothing and other.
-----------------------	---

**TRANSPORTATION DATA AND ADDITIONAL INFORMATION**

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

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

**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)
-----------------------	----------------------------------