

MATERIAL SAFETY DATA SHEET

**EC-SCS-PbBT
(Lead Standard 0.1M Pb(ClO₄)₂)**

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GENERAL INFORMATION

Product Name:	0.1M Lead Standard
MANUFACTURE'S NAME:	Eutech Instrument PTE LTD
DISTRIBUTED BY:	Eutech Instrument PTE LTD
CHEMICAL NAME:	Lead Perchlorate
CHEMICAL FAMILY:	Salt Solution

INGREDIENTS

CAS NO:	7791-07-3
% of : Pb(ClO ₄) ₂	>4.0%
% of water:	<96.0%
OSHA/PEL:	NA
ACGIH/TLV:	NA
LD50(mg/kg) oral-rat of Pb(ClO ₄) ₂ :	Na

PHYSICAL AND REACTIVITY DATA

Appearance & Odor:	White Crystalline Solid
Stability:	Stable
Hazardous polymerization;	Has not been reported
Incompatibilities:	Methanol, combustible material, reducing agent
Condition to avoid:	Heat and contact wit combustible materials
Hazardous Decomposition Products:	Pb compounds. Cl compounds

FIRE AND EXPLOSION HAZARD DATA

General Information	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Material will not burn. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion
Explosion :	Not considered to be an explosion hazard.
Fire Extinguishing Media:	Use extinguishing media most appropriate for the surrounding fire. Do NOT get water inside containers. Use water spray, dry chemical, carbon dioxide, or appropriate foam.
Special information::	In the event of fire, wear NIOSH/MSHA approved breathing apparatus, resistant clothing, hat. Boots and gloves.

HEALTH HAZARD DATA

Ingestion :	Ingestion of large amounts of fluoride may cause salivation, nausea, vomiting, abdominal pain, fever, labored breathing. Exposure to fluoride compounds can result in systemic toxic effects on the heart, liver, and kidneys. It may also deplete calcium levels in the body leading to hypocalcemia and death. May cause irritation of the digestive tract and possible burns. May cause respiratory paralysis and cardiac arrest..
Inhalation:	May cause severe irritation of the respiratory tract with possible burns. Aspiration may lead to pulmonary edema. Prolonged exposure to dusts, vapors, or mists may result in the perforation of the nasal septum. May cause systemic effects.
Skin contact:	Contact with skin causes irritation and possible burns, especially if the skin is wet or moist. May cause skin rash (in milder cases), and cold and clammy skin with cyanosis or pale color.
Eye contact;	Causes eye irritation and possible burns. May cause chemical conjunctivitis and corneal damage....

FIRST AID MEASURES

Inhalation :	Remove to fresh air, give artificial respiration if not breathing
Ingestion:	If conscious, induce vomiting
Skin contact:	Wash with soap and water thoroughly
Eye contact:	Flush thoroughly with water

DISPOSAL PROCEDURES

Steps to be taken :	Whatever can not be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.
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STORAGE AND HANDLING PRECAUTIONS

Storage requirements:	Keep container closed. Store in a cool area and away from combustible material and reducing agents.
Handling	Do not breathe dust, do not get in eyes. Avoid skin contact. Do not take internally.

TRANSPORTATION DATA AND ADDITIONAL INFORMATION

Domestic (D.O.T.)

Proper shipping name:	non-regulated
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International (I.M.O.)

Proper shipping name:	non-regulated
Marine pollutants:	Acid

Air (I.C.A.O.)

Proper shipping name:	non-regulated
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