

**MATERIAL SAFETY DATA SHEET**

**EC-ISA-FL1-BT**

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**GENERAL INFORMATION**

PRODUCT NAME:	Flouride ISA TISAB 1
MANUFACTURE'S NAME:	Eutech Instrument PTE LTD
DISTRIBUTED BY:	Eutech Instrument PTE LTD
CHEMICAL NAME:	Acetic Acid, Sodium Chloride, CDTA (1,2-Cyclohexylenedinitrilotetraacetic acid) and Sodium Hydroxide in Water
CHEMICAL FAMILY:	Complex Solution

**INGREDIENTS**

CAS NO:	
Acetic Acid	64-49-7
Sodium Chloride	7647-14-5
CDTA	13291-61-7
Sodium Hydroxide	1310-73-2
% of Acetic Acid:	15.75%
% of Sodium Chloride	5.8%
% of CDTA	0.4%
% of Sodium Hydroxide	3.75%
% of water:	74.3%
OSHA/PEL:	none
ACGIH/TLV:	none

**PHYSICAL DATA**

Appearance & Odor:	Liquid, Colorless & Pungent, vinegar-like, sour (Light)
Physical State:	Liquid
Boiling Point:	100°C
Vapour Pressure (mmHg):	NA
Freezing Point:	NA
Vapour Density:	NA
Specific Gravity:	1.1
Solubility:	NA
pH:	5.23-5.27

**FIRE AND EXPLOSION HAZARD DATA**

Flash Point:	Not Flammable
Auto ignition Temperature:	NA
Fire Extinguishing Media:	Acid waste. Use extinguishing media appropriate for surrounding fire
Special Fire-fighting procedures:	Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face-piece operated in positive pressure mode
Unusual Fire and Explosion Hazards:	NA

**HEALTH HAZARD DATA**

Effects of Overexposure:	Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.
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 inhalation, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. Ingestion, DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as collar, tie, belt or waistband. Get medical attention if systems appear..

**REACTIVITY DATA**

Stability:	Stable
Condition to avoid:	Heat, source of ignition
Incompatibles:	NA
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:	None
Eye/Skin protection:	Nil

**STORAGE AND HANDLING PRECAUTIONS**

Precautions	Keep container dry. Keep away from heat. Keep away from sources of ignition. Do not ingest. Do not breathe gas/ fumes/ vapor/ spray. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately. Avoid contact with skin and eyes.
Storage requirements:	Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible of ignition. Do not store above 24 <sup>0</sup> C

**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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