

## MATERIAL SAFETY DATA SHEET

### EC44230BT (30ppm 442 TDS Calibration Solutions)

Last updated on 25<sup>th</sup> September 2008

**EUTECH INSTRUMENTS PTE LTD.**

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**SITE SPECIFIC INFORMATION**

No site specific information.

**PRODUCT IDENTIFICATION**

Product Name:	30ppm
Common Synonyms:	Nil
Chemical Family:	Inorganic Salts
Formula:	Complex
Formula Weight:	NA
CAS No:	NA
Niosh / Rtec No:	NA
Product Use:	Laboratory and Industrial Reagent
Eutech SAF-T-Data System:	Health = 0, Flammability = 0, Reactivity = 0 , Contact = 0

**SAFETY**

For laboratory and industrial use only. Not for internal consumption. Avoid contact with eyes and skin

Component A: Sodium Chloride	
CAS NO:	7647-14-5
WEIGHT:	0.0006%
OSHA/PEL:	NE
ACGIH/TLV:	NE

Component B: Sodium Sulfate	
CAS NO:	7757-82-6
WEIGHT:	0.0012%
OSHA/PEL:	NE
ACGIH/TLV:	NE

Component C: Sodium Bicarbonate	
CAS NO:	144-55-8
WEIGHT:	0.0012%
OSHA/PEL:	NE
ACGIH/TLV:	NE

**PHYSICAL DATA**

 Environmental Instruments Division  
 Water Analysis Instruments

 Eutech Instruments Pte Ltd  
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[www.thermofisher.com](http://www.thermofisher.com)

Appearance & Odor:	Liquid, Colorless & Odorless
Physical State:	Liquid
Boiling Point:	102.4 °C
Vapour Pressure (mmHg):	NA
Melting Point:	NA
Vapour Density (T=0 °C):	NA
Specific Gravity:	1
% Volatiles by Volume:	0
Solubility:	NA
pH:	7.0
Odor Threshold (ppm):	NA
Coefficient Water/Oil Distribution:	1
Evaporation Rate:	NA

## FIRE AND EXPLOSION DATA

Flash Point (Close Cup):	NA
Auto ignition Temperature:	NA
Flammable Limits:	Upper, NA Lower, 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:	None
Toxic Gases produced:	None
Explosion data-sensitivity to mechanical impact:	None identified.
Explosion data-sensitivity to static discharge:	None identified.

## HEALTH HAZARD DATA

Threshold limit value (TLV/TWWA):	Not established.
Toxicity of Components:	Not established
Carcinogenicity:	None identified.
Reproductive effects:	None identified.
Effects of overexposure:	
Inhalation:	None
Skin contact:	None
Eye contact:	None
Skin absorption:	None
Ingestion:	Ingestion of large quantities may cause gastro-intestinal irritation, nausea, vomiting, diarrhea
Chronic effects:	Not identified.
Target organs:	None
Medical condition aggravated by exposure:	Nil
Primary routes of entry:	Nil

## EMERGENCY AND FIRST-AID PROCEDURES

Ingestion :	If swallowed and the person is conscious, flush out stomach and seek medical attention
Inhalation:	Nil
Skin contact:	Nil
Eye contact:	In case of eye contact, immediately flush with plenty of water
Acute:	None
Chronic:	No
Flammability:	No
Pressure:	No
Reactivity:	Nil.
Extremely hazardous substance:	No
Toxic chemicals:	None
TSCA Inventory:	No

#### REACTIVITY DATA

Stability:	Stable
Condition to avoid:	Humidity
Incompatibles:	Nil
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

SAF-T-Data*Storage colour code:	Orange.
Storage requirements:	Keep container tightly closed. Keep in cool dark area away from light.

#### TRANSPORTATION DATA AND ADDITIONAL INFORMATION

##### Domestic (D.O.T.)

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