

MATERIAL SAFETY DATA SHEET
EC-SCS-CU1-BT
(Copper Standard 0.1M Cu (NO₃)₂.3H₂O)

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GENERAL INFORMATION

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

INGREDIENTS

CAS NO:	10031-13-3; 351-23-8
% of : Cupric Nitrate	<3.0 %
% of water:	>97.0 %
OSHA/PEL:	NA
ACGIH/TLV:	NA
LD50(mg/kg) oral-rat of Cupric Nitrate:	940 mg/kg

PHYSICAL DATA

Appearance & Odor:	Liquid, clear blue & Odorless
Physical State:	Liquid
Boiling Point:	100°C
Vapour Pressure (mmHg):	Highest known value is 2.3 kPa (@20 ⁰ C)(Water)
Freezing Point:	NA
Vapour Density:	Highest known value is 0.62 (Air=1) (water)
Specific Gravity:	1.01 (Water=1)
Solubility:	NA
pH:	NA

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 :	Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops. Cold water may be used
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. Get medical attention if irritation occurs..
Ingestion/Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. 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 attention if symptoms appear.

REACTIVITY DATA

Stability:	Stable
Condition to avoid:	Incompatible materials, heat
Incompatibles:	Slightly reactive to reactive with reducing agents, combustible materials, organic materials, metals
Special remarks on reactivity	Incompatible with easily oxidizable materials, paper, wood, organic substances, acetylene, hydrazine, nitromethane, ammonia + potassium amide, acetic anhydride, sodium hypobromide, nitromethanes, potassium ferrocyanide vigorously with ether.
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 container tightly closed. Keep in cool well-ventilated area. Separate from acids, alkalies, reducing agents and combustibles.
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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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