

**MATERIAL SAFETY DATA SHEET**
**Ammonia Standard 100ppm NH<sub>4</sub>Cl (EC-SCS-AA03-BT)**

 Last updated on 9<sup>th</sup> October 2008

**EUTECH INSTRUMENTS PTE LTD.**

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**GENERAL INFORMATION**

PRODUCT NAME:	100 ppm Ammonia Standard
MANUFACTURE'S NAME:	Eutech Instrument PTE LTD
DISTRIBUTED BY:	Eutech Instrument PTE LTD
CHEMICAL NAME:	Ammonium Chloride in Water
CHEMICAL FAMILY:	Salt Solution

**INGREDIENTS**

CAS NO:	12125-02-9
% of : NH <sub>4</sub> Cl	<1.0 %
% of water:	>99.0 %
OSHA/PEL:	10 mg/cm <sup>3</sup>
ACGIH/TLV:	10 mg/cm <sup>3</sup>
LD50(mg/kg) oral-rat of NH <sub>4</sub> Cl	82500 mg/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:	1.01
Solubility:	NA
pH:	7.0

**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:	Humidity
Incompatibles:	Slightly reactive to reactive with alkalis
Special remarks on reactivity	Incompatible with lead and sliver
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
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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)
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Marine pollutants:	Acid
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**Air (I.C.A.O.)**

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