

SAFETY DATA SHEET

EC-CON-1413BT (1413 uS/cm Conductivity Calibration Solutions)

Last updated on 7th March 2013

1. PRODUCT IDENTIFICATION AND COMPANY INFORMATIONS

Product Name:	1413 uS/cm KCl Conductivity Calibration Solution
Product Number:	01X211207
Chemical Family:	Mixture of inorganic chemical
Company Informations:	EUTECH INSTRUMENTS PTE LTD. THERMO FISHER SCIENTIFIC Blk 55, Ayer Rajah Crescent, #04-16/24, Singapore 139949, Website: http://www.eutechinst.com E-mail: eutech@thermofisher.com
Telephone No:	(65) 6778 6876
Fax No:	(65) 6773 0836
Product Use:	Laboratory and Industrial Reagent for analysis

2. HAZARD IDENTIFICATION

GHS Classification:	Not classified as a hazardous chemical according to GHS
According to Regulation (EC) No. 1272/2008	Not classified as a hazardous chemical
According to Directive 67/548/EEC	Not classified as a dangerous chemical
Label elements	The product does not need to be labeled in accordance with EC directives or respective national laws.
Other Hazards	None known

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterization: Mixtures		
Components:		
CAS: 7447-40-7, EC-No: 231-211-8 Formula: KCl	Potassium Chloride	< 0.1 %
CAS: 7732-18-5, EC-No: 231-791-2	Deionized water	>99.9 %

4. FIRST AID MEASURES

Description of first aid measures:	
After inhalation:	Remove to fresh air. Call a physician if breathing becomes difficult.
After skin contact:	Wash off with soap and plenty of water. Call a physician if irritation develops.
After eye contact:	Rinse out with plenty of water for at least 15 minutes. If pain persists, summon medical advice.
After swallowing:	Wash out mouth with plenty of water, provided person is conscious. Obtain medical attention if feeling unwell.

5. FIRE FIGHTING MEASURES

Extinguishing media:	
Suitable extinguishing media:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Special hazards arising from the substance or mixture	Potassium oxides
Protective equipment:	Do not stay in dangerous zone without suitable chemical protection clothing and self-contained breathing apparatus.
Further information:	The product itself does not burn.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Use personal protective equipment. Ensure adequate ventilation. Evacuate personnel to safe areas.
Environmental precautions:	Prevent further leakage or spillage if safe to do so.
Methods and material for containment and cleaning up:	Soak up with inert absorbent material and dispose of properly. Clean up affected area.

7. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes.
Conditions for safe storage, including any incompatibilities	Keep container tightly closed in a dry and well-ventilated place.

8. EXPOSURE CONTROLS/PERSIONAL PROTECTION

Control parameters:	
Appropriate engineering controls	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
Personal Protective Equipment:	
Eye/face protection	Safety glasses with side-shields. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Skin protection	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
Body Protection:	Impervious clothing. Protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Respiratory protection	Normal room ventilation is adequate.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid, colorless
Odor:	Odorless
Odour threshold:	No data available
pH-value:	Approximately 7
Boiling point (deg C):	Approximately 100

Melting point (deg C):	Not applicable
Flash point:	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Lower Explosion limits:	No data available
Upper Explosion limits:	No data available
Vapour pressure	No data available
Vapour density	No data available
Specific gravity:	1.0-1.03 g/cm ³
Water solubility	Soluble
Partition coefficient: octanol/water	No data available
Autoignition temperature	No data available
Decomposition temperature	Not applicable
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available
Other information	No further relevant information available

10. STABILITY AND REACTIVITY

Reactivity	No data available.
Chemical stability	Stable under standard ambient conditions
Possibility of hazardous reactions	Not to be expected because of low concentration of the dissolved substances
Conditions to avoid	Heating
Incompatible materials	Strong acids, Strong oxidizing agents
Hazardous decomposition products	No data available

11. TOXICOLOGICAL INFORMATION

Product toxicity	No data available
Potential Health Effects:	
Inhalation:	May harmful if inhaled. May cause respiratory tract irritation
Skin Contact:	May cause skin irritations.
Eye Contact:	May cause eye irritations.
Ingestion:	Harmful if swallowed.
Specific target organ toxicity-single exposure	No data available
Specific target organ toxicity-repeated exposure	No data available

12. ECOLOGICAL INFORMATION

Toxicity:	No data available
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Results of PBT and vPvB assessment	No data available

Other adverse effects	No further relevant information available.
Additional ecological information:	No ecological problems are to be expected when the product is handled and used with due care and attention.

13. DISPOSAL CONSIDERATION

Waste disposal:	Liquid may be flushed to the sewer. Always dispose of in accordance with local, state and federal regulation
Recommended cleaning agent:	Water.

14. TRANSPORT INFORMATION

UN-Number ADR/RID, IMDG, IATA	Not regulated
UN proper shipping name · ADR/RID, IMDG, IATA	Not hazardous goods
Transport hazard class(es) ADR, IMDG, IATA	Not regulated
Packing group ADR, IMDG, IATA	Not regulated
Environmental hazards- Marine pollutant:	No
Special precautions for user:	No data available

15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation According to Regulation (EC) No. 1272/2008 and GHS system.	
Chemical safety assessment:	No data available

16. OTHER INFORMATION

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Company will not be held liable for any damage resulting from handling or from contact with the above product.

Abbreviations and acronyms:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

RID: Regulations Concerning the International Transport of Dangerous Goods by Rail

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labeling of Chemicals