

MATERIAL SAFETY DATA SHEET

DPD FREE CHLORINE TEST SACHET

Last updated on 22nd December 2011

1. PRODUCT IDENTIFICATION AND COMPANY INFORMATION

Product Name:	DPD FREE CHLORINE TEST SACHET
Product Number:	94X377001
Chemical Family:	Inorganic Salts
Company Information:	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

2. HAZARD IDENTIFICATION

Classification of the substance or mixture:	
Classification according to Regulation (EC) No 1272/2008	The product is not classified according to the CLP regulation.
Classification according to Directive 67/548/EEC or Directive 1999/45/EC	Not applicable.
Information concerning particular hazards for human and environment:	The product does not have to be labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
Classification system:	The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
Labeling according to EU guidelines:	Observe the general safety regulations when handling chemicals. The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).
Hazard- determining components of labeling:	N,N-diethylbenzene-1,4-diammonium sulphate
Other hazards: Results of PBT and vPvB assessment.	Not applicable.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterization: Mixtures	
Description::	Mixture of substances listed below with nonhazardous additions.
Dangerous components:	CAS: 6283-63-2 EINECS: 228-500-6

	N,N-diethylbenzene-1,4-diammonium sulphate R25, H301, 3.25%
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4. FIRST AID MEASURES

Description of first aid measures:	
General information:	No special measures required.
After inhalation:	Supply fresh air; consult doctor in case of complaints.
After skin contact:	Generally the product does not irritate the skin.
After swallowing:	Consult doctor.

5. FIRE FIGHTING MEASURES

Extinguishing media:	
Suitable extinguishing agents:	CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam
Special hazards arising from the substance or mixture	No further relevant information available.
Protective equipment:	No special measures required.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Not required.
Environmental precautions:	Do not allow to enter sewers/ surface or ground water.
Methods and material for containment and cleaning up:	Pick up mechanically.

7. HANDLING AND STORAGE

Precautions for safe handling	No special measures required.
Information about fire - and explosion protection:	No special measures required.
Requirements to be met by storerooms and receptacles:	No special requirements.
Information about storage in one common storage facility:	Not required.
Further information about storage conditions:	None.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters:	
Ingredients with limit values that require monitoring at the workplace:	The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
Personal Protective Equipment:	
General protective and hygienic measures:	The usual precautionary measures are to be adhered to when handling chemicals.
Eye protection:	Not required.
Respiratory protection:	Not required.
Protection of hands:	The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Solid, Colour- According to product specification.
Odor:	Characteristic
Odour threshold:	Not determined.
pH-value:	Not applicable.
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	1461°C
Flash point:	Not applicable.
Flammability (solid, gaseous):	Not determined.
Decomposition temperature:	Not determined.
Self-igniting:	Product is not self igniting.
Danger of explosion:	Product does not present an explosion hazard.
Lower Explosion limits:	Not determined.
Upper Explosion limits:	Not determined.
Vapour pressure:	Not applicable.
Density:	Not determined.
Relative density:	Not determined.
Vapour density:	Not applicable.
Evaporation rate:	Not applicable.
Solubility in / Miscibility with water:	Insoluble.
Segregation coefficient (n-octanol/water):	Not determined.
Viscosity:	Not applicable.
Organic solvents:	0.0 %
VOC (EC):	0.00 %
Solids content:	100.0 %

10. STABILITY AND REACTIVITY

Chemical stability:	Thermal decomposition / conditions to be avoided. No decomposition if used according to specifications.
Possibility of hazardous reactions:	No dangerous reactions known.
Conditions to avoid:	No further relevant information available.
Incompatible materials:	No further relevant information available.
Hazardous decomposition products:	No dangerous decomposition products known.

11. TOXICOLOGICAL INFORMATION

Acute toxicity- Primary irritant effect: On the skin::	No irritant effect.
On the eye:	No irritating effect.
Sensitization:	No sensitizing effects known.

12. ECOLOGICAL INFORMATION

Aquatic toxicity:	No further relevant information available.
Persistence and degradability	No further relevant information available.
Behavior in environmental system-: Bioaccumulative potential:	No further relevant information available.
Mobility in soil:	No further relevant information available.
General notes:	Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Results of PBT and vPvB assessment	Not applicable.

13. DISPOSAL CONSIDERATION

Waste treatment methods- Recommendation:	Smaller quantities can be disposed of with household waste.
Uncleaned packaging: Recommendation:	Disposal must be made according to official regulations.

14. TRANSPORT INFORMATION

UN-Number ADR, ADN, IMDG, IATA	Not regulated
Transport hazard class(es) ADR, ADN, IMDG, IATA	Not regulated
Packing group ADR, IMDG, IATA	Not regulated

Environmental hazards- Marine pollutant:	No
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15. REGULATORY INFORMATION

Chemical safety assessment:	A Chemical Safety Assessment has not been carried out.
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16. OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrase: H301 Toxic if swallowed, R25 Toxic if swallowed.

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

ICAO: International Civil Aviation Organization

GHS: Globally Harmonized System of Classification and Labeling of Chemicals

VOC: Volatile Organic Compounds (USA, EU)

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