

# MATERIAL SAFETY DATA SHEET

## DPD TOTAL CHLORINE SACHET

 Last updated on 10<sup>th</sup> October 2011

### 1. PRODUCT IDENTIFICATION AND COMPANY INFORMATIONS

Product Name:	DPD TOTAL CHLORINE SACHET
Company Informations:	EUTECH INSTRUMENTS PTE LTD. THERMO FISHER SCIENTIFIC Blk 55, Ayer Rajah Crescent, #04-16/24, Singapore 139949, Website: <a href="http://www.eutechinst.com">http://www.eutechinst.com</a> E-mail: <a href="mailto:eutech@thermofisher.com">eutech@thermofisher.com</a>
Telephone No:	(65) 6778 6876
Fax No:	(65) 6773 0836
Product Use:	Laboratory and Industrial Reagent

### 2. HAZARD IDENTIFICATION

Chronic Effects/ Carcinogenicity:	None
Acute toxicity:	Oral rate LD50 4700 mg/kg
NFPA ratings:	Health: 1, Flammability: 0, Reactivity: 0
HMIS ratings:	Health: 1, Flammability: 0, Reactivity: 0

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Component : (1) Potassium Iodide:	
CAS NO:	7681-11-0
WEIGHT:	10-30%
EINECS:	231-659-4
Component : (2) Raw N,N-Diethyl-1,4-Phenylenediamine, Sulfate	
CAS NO:	6283-63-2
WEIGHT:	1-10%
EINECS:	228-500-6

### 4. FIRST AID MEASURES

Inhalation:	There may be irritation of the throat with a feeling of tightness in the chest. Absorption through the lungs can occur causing symptoms similar to those of ingestion. Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.
Skin Contact:	There may be mild irritation at the site of contact. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Consult a doctor.
Eye Contact:	There may be irritation and redness. Bathe the eye with running water for 15 minutes. Consult a doctor.
Ingestion:	There may be soreness and redness of the mouth and throat. The

	breathing may become shallow and rapid. There may be vomiting and diarrhea. Do not induce vomiting. If conscious, give half a liter of water to drink immediately. Transfer to hospital as soon as possible.
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## 5. FIRE FIGHTING MEASURES

Extinguishing media:	Water. Carbon dioxide. Alcohol or polymer foam. Dry chemical powder.
Fire and Explosion Hazards:	Not considered to be a fire or explosion hazard.
Fire Fighting Instructions:	Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## 6. ACCIDENTAL RELEASE MEASURES

Procedure of Personal Precaution:	Wear chemical safety goggles, Cover shoes and rubber gloves.
Methods for cleaning up:	Wash down the drain with large amounts of water. Wash the spillage site with large amounts of water.

## 7. HANDLING AND STORAGE

Handling:	Avoid direct contact with the substance.
Storage:	Store in cool, well-ventilated area. Keep container tightly closed. Avoid contact with water or humidity

## 8. EXPOSURE CONTROLS/PERSIONAL PROTECTION

Engineering controls:	Safety shower and eye bath.
General hygiene measures	Wash thoroughly after handling. Wash contaminated clothing before reuse.
Personal Protective Equipment:	
Respiratory protection:	Normal room ventilation is adequate.
Skin protection:	Protective gloves. Nitrile gloves. PVC gloves. Butyl gloves.
Eye protection:	Safety glasses or goggles.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White Powder,
Odor:	Odorless
pH:	Approximately 6- 7
Oxidizing:	Non- Oxidizing ( by EC criteria)
Melting point (deg C):	Approximately 0
Solubility in water:	Soluble
Specific gravity:	NA

Vapor Pressure:	NA
Flash point:	NA
Evaporation rate:	NA
Decomposition temperature:	NA
Part ion coefficient:	NA
Vapor density:	NA

## 10. STABILITY AND REACTIVITY

Chemical stability:	Stable under normal conditions of use and storage.
Hazardous decomposition products:	In combustion emits toxic fumes of hydrogen iodide.
Conditions to avoid:	Heat. Hot surfaces. Humidity

## 11. TOXICOLOGICAL INFORMATION

Route of exposure:	
Skin contact:	May cause skin irritation.
Eye contact:	May cause eye irritation.
Multiple routes:	May be harmful by inhalation, ingestion or skin absorption.

## 12. ECOLOGICAL INFORMATION

Bioaccumulative potential:	No bioaccumulation potential.
Persistence and degradability:	Biodegradable.
Other adverse effects:	Negligible ecotoxicity.

## 13. DISPOSAL CONSIDERATION

Disposal of packaging:	Dispose of as normal industrial waste.
Note:	The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## 14. TRANSPORT INFORMATION

RID/ADR:	Non- hazardous for road transport
IMDG:	Non- hazardous for road transport
IATA:	Non- hazardous for road transport
Regulated Product:	This product is not regulated.

## 15. REGULATORY INFORMATION

Hazard symbols:	Harmful.
Safety phrases	S22: Do not breathe dust. S36/37: Wear suitable protective clothing and gloves.

**16. OTHER INFORMATION**

This information is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability, or fitness for any particular use, or any other warranty, express or implied, with respect to this information, and we assume no liability resulting from the use of this information. Users should make their own investigations to determine the suitability of the information for their particular needs and purposes.

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