



**MATERIAL SAFETY DATA SHEET**

**DPD 4 CLEAR**

**1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

PRODUCT NAME                    DPD 4 CLEAR  
 PRODUCT NO.                    X-041  
 PRODUCT USE                    TESTING WATER  
 SUPPLIER                         PALINTEST USA  
    21 KENTON LANDS ROAD  
    ERLANGER  
    KENTUCKY  
    41018  
    USA  
    TEL 859 341 7423  
    TOLL FREE 800 835 9629  
    FAX 859 341 2106  
    INFO@palintestusa.com  
 EMERGENCY TELEPHONE        0191 491 0808 (Mon-Fri 08:45 - 16:45)

**2 HAZARDS IDENTIFICATION**

Poses little or no immediate hazard.

**POTENTIAL HEALTH EFFECTS**

**INGESTION**

No harmful effects expected in amounts likely to be ingested by accident.

**SKIN CONTACT**

Skin irritation is not anticipated when used normally.

**EYE CONTACT**

Particles in the eyes may cause irritation and smarting.

**HEALTH WARNINGS**

Because of quantity and composition, the health hazard is small.

**ROUTE OF ENTRY**

Ingestion. Skin and/or eye contact.

**TARGET ORGANS**

No specific target organs noted.

**MEDICAL SYMPTOMS**

No specific symptoms noted, but this chemical may still have adverse health impact, either in general or on certain individuals.

**3 COMPOSITION/INFORMATION ON INGREDIENTS**

Name	EC No.	CAS-No.	Weight
BORACIC ACID		10043-35-3	30-60%
ETHYLENEDIAMINETETRAACETIC ACID DI SODIUM SALT		6381-92-6	1-5%
N,N-DIETHYL-P-PHENYLENE DIAMINE SULPHATE	228-500-6	6283-63-2	< 1%
POTASSIUM DIHYDROGEN ORTHOPHOSPHATE		7778-77-0	10-30%
POTASSIUM IODIDE		7447-40-7	10-30%
SODIUM HYDROGEN CARBONATE	205-633-8	144-55-8	5-10%

**4 FIRST-AID MEASURES**

**INGESTION**

Get medical attention.

**SKIN CONTACT**

Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

## DPD 4 CLEAR

### EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

## 5 FIRE-FIGHTING MEASURES

### EXTINGUISHING MEDIA

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

### SPECIAL FIRE FIGHTING PROCEDURES

No specific fire fighting procedure given.

### UNUSUAL FIRE & EXPLOSION HAZARDS

No unusual fire or explosion hazards noted.

### SPECIFIC HAZARDS

No specific precautions due to the small quantities handled.

## 6 ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS

Avoid contact with eyes and prolonged skin contact.

### ENVIRONMENTAL PRECAUTIONS

Not relevant considering the small amounts used.

### SPILL CLEAN UP METHODS

No specific clean-up procedure noted. Non-hazardous substance.

## 7 HANDLING AND STORAGE

### HANDLING

No specific usage precautions noted. Read and follow manufacturer's recommendations.

### STORAGE

Keep in original container. Keep away from food, drink and animal feeding stuffs. Store in a cool place. Store in a dry place.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

COMPONENT	STD	TWA (8-hrs)		STEL (15 min)		Notes
BORACIC ACID	ACGIH		2 mg/m3		6 mg/m3	A4

ACGIH = American Conference of Governmental Industrial Hygienists.

A4 = Not Classified as a Human Carcinogen

### PROTECTIVE EQUIPMENT



### RESPIRATORY EQUIPMENT

No specific recommendations.

### HAND PROTECTION

No specific hand protection noted, but gloves may still be advisable.

### EYE PROTECTION

Wear approved chemical safety goggles where eye exposure is reasonably probable.

### HYGIENE MEASURES

No specific hygiene procedures noted, but good personal hygiene practices are always advisable, especially when working with chemicals.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Solid
COLOR	White
ODOR	Odorless
SOLUBILITY	Soluble in water.

## 10 STABILITY AND REACTIVITY

DPD 4 CLEAR

STABILITY

Stable under normal temperature conditions.

**11 TOXICOLOGICAL INFORMATION**

TOXICOLOGICAL INFORMATION

No information available.

**12 ECOLOGICAL INFORMATION**

ECOTOXICITY

Not regarded as dangerous for the environment.

**13 DISPOSAL CONSIDERATIONS**

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

**14 TRANSPORT INFORMATION**

TRANSPORT NOTES

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

ROAD TRANSPORT NOTES

Not Classified

RAIL TRANSPORT NOTES

Not Classified.

SEA TRANSPORT NOTES

Not Classified.

AIR TRANSPORT NOTES

Not Classified.

**15 REGULATORY INFORMATION**

INVENTORIES

COMPONENT	CAN	US	EU	AUS	JAP	KOR	CHN	PHLP
N,N-DIETHYL-P-PHENYLENE DIAMINE SULPHATE	DSL	Yes						
ETHYLENEDIAMINETETRAACETIC ACID DI SODIUM SALT	DSL	No						
POTASSIUM DIHYDROGEN ORTHOPHOSPHATE	No	No		Yes				
SODIUM HYDROGEN CARBONATE	No	No		Yes				
POTASSIUM IODIDE	DSL	Yes						
BORACIC ACID	No	No		Yes				

COMPONENT	TSCA 12(b) Export Notification
N,N-DIETHYL-P-PHENYLENE DIAMINE SULPHATE	No
ETHYLENEDIAMINETETRAACETIC ACID DI SODIUM SALT	No
POTASSIUM DIHYDROGEN ORTHOPHOSPHATE	No
SODIUM HYDROGEN CARBONATE	No
POTASSIUM IODIDE	No
BORACIC ACID	No

DPD 4 CLEAR

US FEDERAL REGULATIONS

COMPONENT	SARA 302-TPQ	CERCLA-RQ	SARA 313
N,N-DIETHYL-P-PHENYLENE DIAMINE SULPHATE		Not Listed	No
ETHYLENEDIAMINETETRAACETIC ACID DI SODIUM SALT		Not Listed	No
POTASSIUM DIHYDROGEN ORTHOPHOSPHATE		Not Listed	No
SODIUM HYDROGEN CARBONATE		Not Listed	No
POTASSIUM IODIDE		Not Listed	No
BORACIC ACID		Not Listed	No

CLEAN AIR ACT

COMPONENT	CAA Accidental Release Prevention
N,N-DIETHYL-P-PHENYLENE DIAMINE SULPHATE	Not Listed
ETHYLENEDIAMINETETRAACETIC ACID DI SODIUM SALT	Not Listed
POTASSIUM DIHYDROGEN ORTHOPHOSPHATE	Not Listed
SODIUM HYDROGEN CARBONATE	Not Listed
POTASSIUM IODIDE	Not Listed
BORACIC ACID	Not Listed

US STATE REGULATIONS

COMPONENT	CAS	CA	FL	MA	MN	NJ	PA	RI
N,N-DIETHYL-P-PHENYLENE DIAMINE SULPHATE	6283-63-2	Not Listed	Not Listed	Yes	Not Listed	Not Listed	Not Listed	Not Listed
ETHYLENEDIAMINETETRAACETIC ACID DI SODIUM SALT	6381-92-6	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
POTASSIUM DIHYDROGEN ORTHOPHOSPHATE	7778-77-0	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
SODIUM HYDROGEN CARBONATE	144-55-8	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
POTASSIUM IODIDE	7447-40-7	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
BORACIC ACID	10043-35-3	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

**16 OTHER INFORMATION**

VERSION No. 1

SAFETY DATA SHEET STATUS

Approved.

DATE 2 December 2009

SIGNATURE D Ellis

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.