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YSI YAP114-YPM114  
A96062  
3/23/11

## MATERIAL SAFETY DATA SHEET

### PHOSPHATE HR

#### 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME PHOSPHATE HR  
PRODUCT NO. X-114  
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

##### POTENTIAL HEALTH EFFECTS

###### INHALATION

Not relevant at normal room temperatures. When heated, harmful vapors may be formed. Harmful by inhalation.

###### INGESTION

May cause internal injury.

###### SKIN CONTACT

Skin irritation is not anticipated when used normally.

###### EYE CONTACT

Risk of serious damage to eyes.

#### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Weight
AMMONIUM METAVANADATE		7803-55-6	< 1%
AMMONIUM MOLYBDATE	234-320-9	12054-85-2	5-10%
BORACIC ACID		10043-35-3	30-60%
SODIUM HYDROGEN CARBONATE	205-633-8	144-55-8	1-5%

#### 4 FIRST-AID MEASURES

###### INHALATION

Unlikely route of exposure as the product does not contain volatile substances.

###### INGESTION

Get medical attention.

###### SKIN CONTACT

Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing.

###### EYE CONTACT

Immediately flush with plenty of water. Remove any contact lenses and open eyes wide apart. Call an ambulance and continue flushing during transportation to hospital taking along these instructions.

#### 5 FIRE-FIGHTING MEASURES

###### EXTINGUISHING MEDIA

Use fire-extinguishing media appropriate for surrounding materials.

## PHOSPHATE HR

### 6 ACCIDENTAL RELEASE MEASURES

#### PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet.

#### SPILL CLEAN UP METHODS

Collect in containers and seal securely.

### 7 HANDLING AND STORAGE

#### HANDLING

Read and follow manufacturer's recommendations.

### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

COMPONENT	STD	TWA (8-hrs)		STEL (15 min)		Notes
AMMONIUM MOLYBDATE	ACGIH		0,5 mg/m3			
AMMONIUM MOLYBDATE	PEL		5 mg/m3			
BORACIC ACID	ACGIH		2 mg/m3		6 mg/m3	A4
COMPONENT						IDLH
AMMONIUM MOLYBDATE						1000 mg/m3

ACGIH = American Conference of Governmental Industrial Hygienists.

A4 = Not Classified as a Human Carcinogen

A3 = Confirmed animal Carcinogen with unknown relevance to humans as Mo

#### PROTECTIVE EQUIPMENT



#### HAND PROTECTION

Use suitable protective gloves if risk of skin contact.

#### 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. Wash promptly with soap & water if skin becomes contaminated.

### 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Solid
COLOR	White
ODOR	Odorless
SOLUBILITY	Soluble in water

### 10 STABILITY AND REACTIVITY

#### STABILITY

Stable under normal temperature conditions and recommended use.

### 11 TOXICOLOGICAL INFORMATION

### 12 ECOLOGICAL INFORMATION

#### ECOTOXICITY

The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

### 13 DISPOSAL CONSIDERATIONS

## PHOSPHATE HR

### 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).

### 15 REGULATORY INFORMATION

#### INVENTORIES

COMPONENT	CAN	US	EU	AUS	JAP	KOR	CHN	PHLP
SODIUM HYDROGEN CARBONATE	DSL	Yes						
AMMONIUM METAVANADATE	DSL	Yes						
BORACIC ACID	No	No		Yes				
AMMONIUM MOLYBDATE	No	No						

COMPONENT	TSCA 12(b) Export Notification
SODIUM HYDROGEN CARBONATE	No
AMMONIUM METAVANADATE	No
BORACIC ACID	No
AMMONIUM MOLYBDATE	No

#### US FEDERAL REGULATIONS

COMPONENT	SARA 302-TPQ	CERCLA-RQ	SARA 313
SODIUM HYDROGEN CARBONATE		Not Listed	No
AMMONIUM METAVANADATE		1 000 lbs	No
BORACIC ACID		Not Listed	No
AMMONIUM MOLYBDATE		Not Listed	No

#### CLEAN AIR ACT

COMPONENT	CAA Accidental Release Prevention
SODIUM HYDROGEN CARBONATE	Not Listed
AMMONIUM METAVANADATE	Not Listed
BORACIC ACID	Not Listed
AMMONIUM MOLYBDATE	Not Listed

#### US STATE REGULATIONS

COMPONENT	CAS	CA	FL	MA	MN	NJ	PA	RI
SODIUM HYDROGEN CARBONATE	144-55-8	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
AMMONIUM METAVANADATE	7803-55-6	Not Listed	Not Listed	Yes	Not Listed	Yes	Yes	Not Listed
BORACIC ACID	10043-35-3	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
AMMONIUM MOLYBDATE	12054-85-2	Not Listed	Not Listed	Not Listed	Yes	Not Listed	Not Listed	Not Listed

### 16 OTHER INFORMATION

VERSION No.

1

SAFETY DATA SHEET STATUS

Approved.

## PHOSPHATE HR

DATE

7 Jan 2010

SIGNATURE

D Ellis

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