



**MATERIAL SAFETY DATA SHEET**

**ALKALINITY P**

**1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

PRODUCT NAME ALKALINITY P  
 PRODUCT NO. X-073  
 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)  
 IDENTIFICATION No. 2509

**2 HAZARDS IDENTIFICATION**

**POTENTIAL HEALTH EFFECTS**

**INHALATION**

High concentrations of dust may irritate throat and respiratory system and cause coughing.

**INGESTION**

May cause internal injury.

**SKIN CONTACT**

Causes burns.

**EYE CONTACT**

Causes burns.

**HEALTH WARNINGS**

Contact with this chemical can be hazardous. This substance is corrosive.

**ROUTE OF ENTRY**

Skin and/or eye contact. Ingestion.

**3 COMPOSITION/INFORMATION ON INGREDIENTS**

Name	EC No.	CAS-No.	Weight
MICROCRYSTALLINE CELLULOSE	232-674-9	9004-34-6	60-100%
POTASSIUM HYDROGENSULPHATE	231-594-1	7646-93-7	10-30%
SODIUM HYDROGEN CARBONATE	205-633-8	144-55-8	1-5%
STARCH	232-686-4	9005-84-9	10-30%
TALC	238-877-9	14807-96-6	1-5%
THYMOL BLUE		76-61-9	< 1%

**4 FIRST-AID MEASURES**

**INHALATION**

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

**INGESTION**

Get medical attention.

**SKIN CONTACT**

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

## ALKALINITY P

### 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.

### 6 ACCIDENTAL RELEASE MEASURES

#### PERSONAL PRECAUTIONS

Follow precautions for safe handling described in this safety data sheet.

#### ENVIRONMENTAL PRECAUTIONS

Not relevant considering the small amounts used.

#### SPILL CLEAN UP METHODS

Avoid generation and spreading of dust. Transfer to a container for disposal. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

### 7 HANDLING AND STORAGE

#### HANDLING

Read and follow manufacturer's recommendations. Avoid contact with skin and eyes.

#### STORAGE

Keep in original container. Store in a cool and well-ventilated place.

### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

COMPONENT	STD	TWA (8-hrs)		STEL (15 min)		Notes
MICROCRYSTALLINE CELLULOSE	ACGIH		10 mg/m <sup>3</sup>			
MICROCRYSTALLINE CELLULOSE	PEL		5 mg/m <sup>3</sup>			
TALC	ACGIH		2 mg/m <sup>3</sup>			A1, A4
TALC	PEL	20 ppm				
COMPONENT						IDLH
TALC						1000 mg/m <sup>3</sup>

ACGIH = American Conference of Governmental Industrial Hygienists.

A1 = Confirmed Human Carcinogen

A4 = Not Classified as a Human Carcinogen

#### PROTECTIVE EQUIPMENT



#### RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

#### HAND PROTECTION

Use suitable protective gloves if risk of skin contact.

#### EYE PROTECTION

Use eye protection.

#### HYGIENE MEASURES

Wash promptly with soap & water if skin becomes contaminated.

### 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Solid
COLOR	Pink
ODOR	Odorless
SOLUBILITY	Soluble in water

## ALKALINITY P

### 10 STABILITY AND REACTIVITY

#### STABILITY

Stable under normal temperature conditions and recommended use.

### 11 TOXICOLOGICAL INFORMATION

#### TOXICOLOGICAL INFORMATION

No information available.

### 12 ECOLOGICAL INFORMATION

#### ECOTOXICITY

There are no data on the ecotoxicity of this product. 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

#### WASTE MANAGEMENT

Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

#### DISPOSAL METHODS

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

### 14 TRANSPORT INFORMATION



DOT PROPER SHIPPING NAME	POTASSIUM HYDROGEN SULPHATE		
DOT PROPER SHIPPING NAME	POTASSIUM HYDROGEN SULPHATE		
IDENTIFICATION No.	2509	TUNNEL RESTRICTION CODE	(E)
CEFIC TEC(R) NO.	80GC2-II+III	UN NO. SEA	2509
IMDG CLASS	8	IMDG PACK GR.	II
EMS	F-A, S-B	UN NO. AIR	2509
ICAO CLASS	8	AIR PACK GR.	II

### 15 REGULATORY INFORMATION

#### INVENTORIES

COMPONENT	CAN	US	EU	AUS	JAP	KOR	CHN	PHLP
POTASSIUM HYDROGENSULPHATE	DSL	Yes						
SODIUM HYDROGEN CARBONATE	DSL	Yes						
TALC	DSL	Yes						
THYMOL BLUE	DSL	Yes						
MICROCRYSTALLINE CELLULOSE	DSL	Yes						
STARCH	DSL	Yes						

## ALKALINITY P

COMPONENT	TSCA 12(b) Export Notification
POTASSIUM HYDROGENSULPHATE	No
SODIUM HYDROGEN CARBONATE	No
TALC	No
THYMOL BLUE	No
MICROCRYSTALLINE CELLULOSE	No
STARCH	No

### US FEDERAL REGULATIONS

COMPONENT	SARA 302-TPQ	CERCLA-RQ	SARA 313
POTASSIUM HYDROGENSULPHATE		Not Listed	No
SODIUM HYDROGEN CARBONATE		Not Listed	No
TALC		Not Listed	No
THYMOL BLUE		Not Listed	No
MICROCRYSTALLINE CELLULOSE		Not Listed	No
STARCH		Not Listed	No

### CLEAN AIR ACT

COMPONENT	CAA Accidental Release Prevention
POTASSIUM HYDROGENSULPHATE	Not Listed
SODIUM HYDROGEN CARBONATE	Not Listed
TALC	Not Listed
THYMOL BLUE	Not Listed
MICROCRYSTALLINE CELLULOSE	Not Listed
STARCH	Not Listed

### US STATE REGULATIONS

COMPONENT	CAS	CA	FL	MA	MN	NJ	PA	RI
POTASSIUM HYDROGENSULPHATE	7646-93-7	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
TALC	14807-96-6	Not Listed	Yes	Yes	Yes	Yes	Yes	Yes
THYMOL BLUE	76-61-9	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
MICROCRYSTALLINE CELLULOSE	9004-34-6	Not Listed	Not Listed	Yes	Yes	Not Listed	Yes	Yes
STARCH	9005-84-9	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 28 April 2010

SIGNATURE D Ellis

## ALKALINITY P

### DISCLAIMER

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