



**MATERIAL SAFETY DATA SHEET**

**ALKALINITY M**

**1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

PRODUCT NAME ALKALINITY M  
 PRODUCT NO. X-071  
 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**

INGESTION  
 May cause discomfort if swallowed. May cause internal injury.  
 SKIN CONTACT  
 Causes burns.  
 EYE CONTACT  
 Causes burns.  
 HEALTH WARNINGS  
 This substance is corrosive. Causes burns.  
 ROUTE OF ENTRY  
 Skin and/or eye contact. Ingestion.

**3 COMPOSITION/INFORMATION ON INGREDIENTS**

Name	EC No.	CAS-No.	Weight
METHYL RED	212-682-9	845-10-3	< 1%
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%
SODIUM METABISULPHITE	231-673-0	7681-57-4	< 1%
STARCH	232-686-4	9005-84-9	10-30%
TALC	238-877-9	14807-96-6	1-5%

**4 FIRST-AID MEASURES**

INGESTION  
 Get medical attention immediately!  
 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 for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists continue rinsing and transport to hospital taking these instructions.

## ALKALINITY M

### 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. Risk of contact: Wear protective gloves and goggles/face shield.

#### ENVIRONMENTAL PRECAUTIONS

Not relevant considering the small amounts used.

#### SPILL CLEAN UP METHODS

Avoid generation and spreading of dust. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

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>			
SODIUM METABISULPHITE	ACGIH		5 mg/m <sup>3</sup>			A4
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.

A4 = Not Classified as a Human Carcinogen

A1 = Confirmed 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

Protective gloves must be used if there is a risk of direct contact or splash.

#### EYE PROTECTION

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

#### HYGIENE MEASURES

Wash promptly if skin becomes wet or contaminated.

### 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Solid
COLOR	Brown
ODOR	Odorless

### 10 STABILITY AND REACTIVITY

## ALKALINITY M

### 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 METABISULPHITE	DSL	Yes						
SODIUM HYDROGEN CARBONATE	DSL	Yes						
TALC	DSL	Yes						
MICROCRYSTALLINE CELLULOSE	DSL	Yes						
STARCH	DSL	Yes						
METHYL RED	DSL	Yes						

## ALKALINITY M

COMPONENT	TSCA 12(b) Export Notification
POTASSIUM HYDROGENSULPHATE	No
SODIUM METABISULPHITE	No
SODIUM HYDROGEN CARBONATE	No
TALC	No
MICROCRYSTALLINE CELLULOSE	No
STARCH	No
METHYL RED	No

### US FEDERAL REGULATIONS

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

### CLEAN AIR ACT

COMPONENT	CAA Accidental Release Prevention
POTASSIUM HYDROGENSULPHATE	Not Listed
SODIUM METABISULPHITE	Not Listed
SODIUM HYDROGEN CARBONATE	Not Listed
TALC	Not Listed
MICROCRYSTALLINE CELLULOSE	Not Listed
STARCH	Not Listed
METHYL RED	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 METABISULPHITE	7681-57-4	Not Listed	Yes	Yes	Yes	Yes	Yes	Yes
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
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
METHYL RED	845-10-3	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

26 April 2010

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.