SAFETY DATA SHEET
ALKALINITY M

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME ALKALINITY M
PRODUCT NO. X-071
APPLICATION TESTING WATER
SUPPLIER PALINTEST LIMITED
PALINTEST HOUSE
TEAM VALLEY
GATESHEAD
TYNE & WEAR NE11 8NS
ENGLAND
TEL 0191 491 0808
FAX 0191 482 5372
palintest@palintest.com
EMERGENCY TELEPHONE 0191 491 0808 (Mon-Fri 08:45 - 16:45)

2 HAZARDS IDENTIFICATION

Causes burns.

CLASSIFICATION C;R34.

3 COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Name</th>
<th>EC No.</th>
<th>CAS-No.</th>
<th>Content</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>MICROCRYSTALLINE CELLULOSE</td>
<td>232-674-9</td>
<td>9004-34-6</td>
<td>50-100%</td>
<td>-</td>
</tr>
<tr>
<td>POTASSIUM HYDROGENSULPHATE</td>
<td>231-594-1</td>
<td>7646-93-7</td>
<td>10-30%</td>
<td>C;R34 X;R37</td>
</tr>
<tr>
<td>SODIUM HYDROGEN CARBONATE</td>
<td>205-633-8</td>
<td>144-55-8</td>
<td>1-5%</td>
<td>X;R36.</td>
</tr>
<tr>
<td>SODIUM METABISULPHITE</td>
<td>231-673-d</td>
<td>7681-57-4</td>
<td>&lt; 1%</td>
<td>Xn;R22 X;R41 R31</td>
</tr>
</tbody>
</table>

The Full Text for all R-Phrases are Displayed in Section 16

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: Seek medical attention and bring 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. 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

USAGE PRECAUTIONS
Read and follow manufacturer’s recommendations. Avoid contact with skin and eyes.

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

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

<table>
<thead>
<tr>
<th>Name</th>
<th>Std</th>
<th>TWA - 8 hrs</th>
<th>STEL - 15 min</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>MICROCRYSTALLINE CELLULOSE</td>
<td>WEL</td>
<td>4 mg/m³</td>
<td>20 mg/m³</td>
<td></td>
</tr>
<tr>
<td>SODIUM METABISULPHITE</td>
<td>WEL</td>
<td>5 mg/m³</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

WEL = Workplace Exposure Limit.

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
COLOUR Brown
ODOUR Odourless

10 STABILITY AND REACTIVITY

STABILITY
Stable under normal temperature conditions and recommended use.

11 TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION
No information available.

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.

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

GENERAL INFORMATION
Waste is classified as hazardous waste.

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

14 TRANSPORT INFORMATION

UK ROAD CLASS 8
PROPER SHIPPING NAME POTASSIUM HYDROGEN SULPHATE
UN NO. ROAD 2509 UK ROAD PACK GR. II
ADR CLASS NO. 8 ADR CLASS Class 8: Corrosive substances.
ADR PACK GROUP II TUNNEL RESTRICTION CODE (E)
HAZARD No. (ADR) 80 ADR LABEL NO. 8
HAZCHEM CODE 2X CEFIC TEC(R) NO. 80GC2-II+III
RID CLASS NO. 8 RID PACK GROUP II
UN NO. SEA 2509 IMDG CLASS 8
IMDG PACK GR. II EMS F-A, S-8
UN NO. AIR 2509 AIR CLASS 8
AIR PACK GR. II

15 REGULATORY INFORMATION

LABELLING

Corrosive

CONTAINS
POTASSIUM HYDROGENSULPHATE
SODIUM HYDROGEN CARBONATE
SODIUM METABISULPHITE

RISK PHRASES
R34 Causes burns.

SAFETY PHRASES
S24/25 Avoid contact with skin and eyes.
S45 In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).

16 OTHER INFORMATION

REV. NO./REPL. SDS GENERATED Version 1
SAFETY DATA SHEET STATUS
Approved.

DATE 26 April 2010
SIGNATURE D Ellis

RISK PHRASES IN FULL
NC Not classified.
R22 Harmful if swallowed.
R31 Contact with acids liberates toxic gas.
R34 Causes burns.
R36 Irritating to eyes.
R37 Irritating to respiratory system.
R41 Risk of serious damage to eyes.

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.