SAFETY DATA SHEET
MANGANESE NO 1 TABLET

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

PRODUCT NAME
MANGANESE NO 1 TABLET

APPLICATION
TESTING WATER

SUPPLIER
PALINTEST LIMITED
PALINTEST HOUSE
TEAM VALLEY
GATESHEAD
TYNE & WEAR NE11 0NS
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

Irritating to respiratory system. Causes burns.

CLASSIFICATION
C;R34 Xi;R37.

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>POTASSIUM HYDROGENSULPHATE</td>
<td>231-594-1</td>
<td>7646-93-7</td>
<td>10-30%</td>
<td>C;R34 Xi;R37</td>
</tr>
<tr>
<td>POTASSIUM TETRAOXIODATE(VII)</td>
<td>232-196-0</td>
<td>7796-21-8</td>
<td>1-5%</td>
<td>O;R8.</td>
</tr>
<tr>
<td>SODIUM HYDROGEN CARBONATE</td>
<td>205-633-8</td>
<td>144-55-8</td>
<td>1-5%</td>
<td>Xi;R36.</td>
</tr>
</tbody>
</table>

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

4 FIRST-AID MEASURES

INHALATION

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

INGESTION

Get medical attention immediately!

SKIN CONTACT

Wash skin thoroughly 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 flushing during transport to hospital. Bring 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. Avoid inhalation of dust.

ENVIRONMENTAL PRECAUTIONS

Not relevant considering the small amounts used.
MANGANESE NO 1 TABLET

SPILL CLEAN UP METHODS
Avoid generation and spreading of dust. Collect in containers and seal securely. Remove containers and flush area with water. 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 inhalation of dust and contact with skin and eyes. Avoid handling which leads to dust formation.

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

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

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

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE Solid
COLOUR White
ODOUR Odourless
SOLUBILITY Soluble in water

10 STABILITY AND REACTIVITY

STABILITY
Stable under normal temperature conditions and recommended use.

11 TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION
No information available.

INHALATION
Dust may irritate respiratory system or lungs.

INGESTION
May cause discomfort if swallowed.

SKIN CONTACT
Causes burns.

EYE CONTACT
Causes burns.

ROUTE OF ENTRY
Skin and/or eye contact. Ingestion. Inhalation.

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

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

14 TRANSPORT INFORMATION

![Corrosive]

**UK ROAD CLASS**
8

**PROPER SHIPPING NAME**
POTASSIUM HYDROGEN SULPHATE

**UN NO. ROAD**
2509

**ADR CLASS NO.**
8

**ADR PACK GROUP**
II

**HAZARD No. (ADR)**
80

**HAZCHEM CODE**
2X

**RID CLASS NO.**
8

**UN NO. SEA**
2509

**IMDG PACK GR.**
II

**UN NO. AIR**
2509

**AIR PACK GR.**
II

15 REGULATORY INFORMATION

**LABELLING**

![Corrosive]

**CONTAINS**
POTASSIUM HYDROGENSULPHATE

POTASSIUM TETRAOXOIODATE(VII)

SODIUM HYDROGEN CARBONATE

**RISK PHRASES**

R34 Causes burns.

R37 Irritating to respiratory system.

**SAFETY PHRASES**

S24/25 Avoid contact with skin and eyes.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S45 In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).

S51 Use only in well-ventilated areas.

S60 This material and its container must be disposed of as hazardous waste.

16 OTHER INFORMATION

**REV. NO./REPL. SDS GENERATED**
Version 1

**SAFETY DATA SHEET STATUS**
Approved.

**DATE**
27 April 2010

**SIGNATURE**
D Ellis
RISK PHRASES IN FULL

R34 Causes burns.
R36 Irritating to eyes.
R37 Irritating to respiratory system.
R8 Contact with combustible material may cause fire.

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.