SAFETY DATA SHEET

NITRATEST POWDER

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

PRODUCT NAME
NITRATEST POWDER

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

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CLASSIFICATION
N; R50/53.

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>BARIUM SULPHATE</td>
<td></td>
<td>7727-43-7</td>
<td>30-60%</td>
<td>-</td>
</tr>
<tr>
<td>ZINC POWDER - ZINC DUST (STABILISED)</td>
<td></td>
<td>7440-66-6</td>
<td>60-100%</td>
<td>N; R50/53</td>
</tr>
</tbody>
</table>

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

4 FIRST-AID MEASURES

INHALATION
Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

INGESTION
Rinse mouth thoroughly. Get medical attention if any discomfort continues. Contact physician if larger quantity has been consumed.

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

EYE CONTACT
Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA
This product is not flammable. 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
Do not discharge onto the ground or into water courses.

SPILL CLEAN UP METHODS
Do not contaminate water sources or sewer. Large Spillages Avoid generation and spreading of dust.
NITRATEST POWDER

7 HANDLING AND STORAGE

USAGE PRECAUTIONS
Avoid spilling, skin and eye contact.

STORAGE PRECAUTIONS
Keep in original container.

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>BARIUM SULPHATE</td>
<td>WEL</td>
<td>4 mg/m³</td>
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</tbody>
</table>

WEL = Workplace Exposure Limit.

PROTECTIVE EQUIPMENT

ENGINEERING MEASURES
Provide adequate ventilation. Observe Workplace Exposure Limits and minimise the risk of inhalation of dust.

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

HAND PROTECTION
No specific hand protection noted, but gloves may still be advisable.

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.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE Powder, dust
COLOUR Grey
ODOUR Odourless
SOLUBILITY Slightly soluble in water.

10 STABILITY AND REACTIVITY

STABILITY
Stable under normal temperature conditions.

11 TOXICOLOGICAL INFORMATION

INHALATION
Unlikely to be hazardous by inhalation because of the low vapour pressure of the substance at ambient temperature.

INGESTION
May cause discomfort if swallowed.

SKIN CONTACT
May cause sensitisation by skin contact. Skin irritation is not anticipated when used normally.

EYE CONTACT
Particles in the eyes may cause irritation and smarting.

12 ECOLOGICAL INFORMATION
ECOTOXICITY
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### 13 DISPOSAL CONSIDERATIONS

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

### 14 TRANSPORT INFORMATION

- **UK ROAD CLASS**: 9
- **PROPER SHIPPING NAME**: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (ZINC POWDER - ZINC DUST (STABILISED))
- **UN NO. ROAD**: 3077
- **ADR CLASS NO.**: 9
- **ADR PACK GROUP**: III
- **HAZARD No. (ADR)**: 90
- **HAZCHEM CODE**: 2Z
- **RID CLASS NO.**: 9
- **UN NO. SEA**: 3077
- **IMDG PAGE NO.**: 3
- **EMIS**: F-A, S-F
- **MARINE POLLUTANT No.**: UN NO. AIR 3077
- **AIR CLASS**: 9

### 15 REGULATORY INFORMATION

**LABELLING**

- **CONTAINS**: ZINC POWDER - ZINC DUST (STABILISED)
- **RISK PHRASES**: R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- **SAFETY PHRASES**: S57 Use appropriate containment to avoid environmental contamination.
- **S61**: Avoid release to the environment. Refer to special instructions/safety data sheets.

**STATUTORY INSTRUMENTS**

Chemicals (Hazard Information and Packaging) Regulations.

**APPROVED CODE OF PRACTICE**

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.

**GUIDANCE NOTES**

CHIP for everyone HSG(108). Workplace Exposure Limits EH40.

### 16 OTHER INFORMATION

**REV. NO./REPL. SDS GENERATED**: 1
NITRATEST POWDER

SAFETY DATA SHEET STATUS
Approved.

DATE 2 December 2009

SIGNATURE D Ellis

RISK PHRASES IN FULL

NC Not classified.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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.