SAFETY DATA SHEET
MOLYBDATE NO 1 LR

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

PRODUCT NAME
MOLYBDATE NO 1 LR

SUPPLIER
PALINTEST LIMITED
PALINTEST HOUSE
TEAM VALLEY
GATESHEAD
TYNE & WEAR NE11 0NS
ENGLAND
TEL 0191 491 0808
FAX 0191 482 5372
palintest@palintest.com

APPLICATION
TESTING WATER

EMERGENCY TELEPHONE
0191 491 0808 (Mon-Fri 08:45 - 16:45)

2 HAZARDS IDENTIFICATION

Harmful if swallowed. Irritating to eyes and skin. May cause sensitisation by skin contact.

CLASSIFICATION (1999/45) Xn;R22. Xi;R36/38. R43.

3 COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Name</th>
<th>EC No.</th>
<th>CAS-No.</th>
<th>Content</th>
<th>Classification (67/548)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMMONIUM CHLORIDE</td>
<td>235-186-4</td>
<td>12125-02-9</td>
<td>30-60%</td>
<td>Xn;R22 Xi;R36</td>
</tr>
<tr>
<td>ETHYLENEDIAMINETETRAACETIC ACID TETRA SODIUM SALT</td>
<td>194491-31-1</td>
<td>87537-24-2</td>
<td>5-10%</td>
<td>Xi;R36/37/38.</td>
</tr>
<tr>
<td>LITHIUM HYDROXIDE</td>
<td>215-183-4</td>
<td>1310-66-3</td>
<td>1-5%</td>
<td>Xn;R22 C;R34.</td>
</tr>
<tr>
<td>MALEIC ACID</td>
<td>203-742-5</td>
<td>110-16-7</td>
<td>10-30%</td>
<td>Xn;R22 Xi;R36/37/38 R43</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 the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing.

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. Bring these instructions.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA
Use fire-extinguishing media appropriate for surrounding materials.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS
Wear protective clothing as described in Section 8 of this safety data sheet.

ENVIRONMENTAL PRECAUTIONS
Do not allow ANY environmental contamination.
MOLYBDATE NO 1 LR

7 HANDLING AND STORAGE

SPILL CLEAN UP METHODS
Collect in containers and seal securely.

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>AMMONIUM CHLORIDE</td>
<td>WEL</td>
<td>10 mg/m³</td>
<td>20 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

WEL = Workplace Exposure Limit.

HAND PROTECTION
Use suitable protective gloves if risk of skin contact.

EYE PROTECTION
Goggles/face shield are recommended.

HYGIENE MEASURES
No specific hygiene procedures noted, but good personal hygiene practices are always advisable, especially when working with chemicals. Wash promptly with soap & water if skin becomes contaminated.

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

INHALATION
Not relevant at normal room temperatures. When heated, harmful vapours may be formed.

INGESTION
Harmful if swallowed.

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

EYE CONTACT
Irritating to eyes.

12 ECOLOGICAL INFORMATION

ECOTOXICITY
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
**MOLYBDENUM NO 1 LR**

| UK ROAD CLASS | 8 |
| PROPER SHIPPING NAME | CORROSIVE SOLID, N.O.S. (MALEIC ACID, LITHIUM HYDROXIDE) |
| UN NO. ROAD | 1759 |
| ADR CLASS NO. | 8 |
| ADR PACK GROUP | I |
| HAZARD No. (ADR) | 88 |
| HAZCHEM CODE | 2X |
| RID CLASS NO. | 8 |
| UN NO. SEA | 1759 |
| IMDG PACK GR. | I |
| UN NO. AIR | 1759 |
| AIR PACK GR. | I |

### 15 REGULATORY INFORMATION

#### LABELLING

- **Harmful**
- **CONTAINS**
  - AMMONIUM CHLORIDE
  - MALEIC ACID

#### RISK PHRASES

- **R22** Harmful if swallowed.
- **R36/38** Irritating to eyes and skin.
- **R43** May cause sensitisation by skin contact.

#### SAFETY PHRASES

- **S24/25** Avoid contact with skin and eyes.
- **S60** This material and its container must be disposed of as hazardous waste.

### 16 OTHER INFORMATION

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

**DATE** 7 Jan 2010

**SIGNATURE** D Ellis

#### RISK PHRASES IN FULL

- **R34** Causes burns.
- **R22** Harmful if swallowed.
- **R36/37/38** Irritating to eyes, respiratory system and skin.
- **R36** Irritating to eyes.
- **R43** May cause sensitisation by skin contact.

**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.