1. Identification of the product and of the company

Product name: PROMASPRAY®T
Intended Product use: PROMASPRAY®T is a fire protective spray, used for thermal insulation and for fire protection in buildings.
Company
Company : Promat UK Ltd.
Address : The Sterling Centre
Eastern Road
Bracknell
GB – Berkshire RG12 2TD
Telephone : 01344 381 400
Fax : 01344 381 401
e-mail : technicaluk@promat.co.uk.

2. Hazard Identification

Indication of the hazards: Not classified as hazardous or dangerous according to 67/548/EEC or 1999/45/EC
The man-made mineral fiber and Portland cement components may lead to transient irritation of skin, eyes or respiratory system.
When moistened by water or sweat, the Portland cement component may lead to skin inflammation, contact dermatitis or even delayed onset burns due to the high alkalinity.

Specific risk information for the environment: no particular risks

3. Composition / Information on ingredients

Description: Thermal insulation spray, based on portland cement and biosoluble mineral fibres.
Chemical characterisation This product is a preparation.

- Representative dangerous substances:

<table>
<thead>
<tr>
<th>Substance</th>
<th>C.A.S. N°</th>
<th>EINECS N°</th>
<th>Weight %</th>
<th>Classification and labeling (Directive 67/548/EEC)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Slag wool</td>
<td>65997-17-3</td>
<td>n.a.</td>
<td>&gt; 70 %</td>
<td>Xi – R38</td>
</tr>
<tr>
<td>Portland cement</td>
<td>65997-15-1</td>
<td>n.a.</td>
<td>&gt; 10 % and &lt; 20 %</td>
<td>Xi – R36/37/38, R43</td>
</tr>
</tbody>
</table>

- Other substances, relating to restrictions on the marketing and use of dangerous substances: The product does comply Directive 2003/53/EC.

- Other substances with specific occupational exposure limits: The product does not contain known substances of this category

- Other substances:
Promat - Petroleum-derived severely refined mineral-base product
CAS 72623-86-0 , EC 276-737-9 - Weight %: > 0.5 % and < 2.0 %.

4. First aid measures

Inhalation: Remove to fresh air, rinse throat with water and blow nose to evacuate dust. If nose or airways become inflamed seek medical advice.

Ingestion: In case of significant ingestion, rinse mouth with water, do not induce vomiting, seek medical advice.

Skin contact: Remove first of all dust as much as possible, rinse afterwards the skin immediately with plenty of water and soap. Remove contaminated clothing. In case of allergy, seek medical advice.

Eye contact: Do not rub the eye, rinse out with plenty of clean water for at least 15 minutes. If eye irritation or inflammation persists, seek medical advice.

5. Fire fighting measures

Additional Information: The product is non-combustible.

6. Accidental spill / release measures

Individual precautions: see sections 7 and 8

Environmental precautions: - Do not discharge into drains or watercourses
- Clean up immediately all accidental spill

Methods for cleaning up: Shovel up and sweep. Keep dust levels low.

7. Handling and storage

Handling: - By generation of dust during processing the regulatory Occupational Exposure Limits for total and respirable dust must be respected.
- Use individual protection – see section 8
- Work in a well ventilated area
- Collect dust with a vacuum cleaner or shovel up and sweep.
- Avoid contact with skin and eyes

Storage: Store in dry, covered area.
8. Exposure controls / Personal protection

EXPOSURE LIMIT VALUES

When manipulating and processing the product, respect Occupational Exposure Limits for inhalable and respirable dust and for bio-soluble fibres.

Check the latest Occupational Exposure Limits (OEL) for airborne contaminants that are applicable in your country.

Typical Occupational Exposure Limits (8hrs TWA) on the date of issue of this document are:

<table>
<thead>
<tr>
<th>In mg/m³</th>
<th>Fraction</th>
<th>COUNTRY</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>NL (2)</td>
</tr>
<tr>
<td></td>
<td>Slag wool fibres</td>
<td>1 fibre/cm³</td>
</tr>
<tr>
<td></td>
<td>Cement</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Inhalable</td>
<td>10 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Respirable</td>
<td>4 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Particles NOR (1)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Inhalable</td>
<td>10 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Respirable</td>
<td>5 mg/m³</td>
</tr>
</tbody>
</table>

(1) Particles NOR: particles not otherwise classified or regulated (nuisance dust).
(2) Occupational exposure limit (OEL)

EXPOSURE CONTROLS

Occupational exposure controls: Use personal protection equipment.

Individual protection controls:
- Avoid breathing dusts
- Avoid eye and skin contact

Wear personal protective equipment appropriate to the task:
- Respiratory protection: Use approved individual respirators (e.g. disposable P2 types) whenever Occupational Exposure Limits are or can be foreseen to be exceeded especially when spray application takes place in a confined space.
- Eye protection: Use safety glasses,
  Foresee eye cleaning on the working place.
- Skin/hand protection: Use loose working clothes with closed sleeves
  Use impermeable gloves.
  Protective cream may be used on the exposed skin, but this should not be applied after skin contact with the product.
9. Physical and chemical properties

**Appearance:** flocky powder

**Colour:** off-white

**Odour:** None

**Important safety parameters:**

**Relative density:** ca 150 kg/m³ (when sprayed)

**Solubility:**
- **water solubility:** insoluble

**pH value:** ca. 9 (when taken into an aqueous solution)

**Explosive properties (danger and limits):** not applicable

**Other properties**
- Nominal fibre diameter: 3 to 5 µm
- Average length-weighed geometric diameter minus two standard deviations: < 6 µm

10. Stability and reactivity

Nothing to report

11. Toxicological information

**Acute toxicity:** The product is not expected to have significant acute toxicity.

- **Inhalation:** May cause irritation of the airways.
- **Eye contact:** May lead to transient eye irritation or inflammation.
- **Skin contact:**
  - Cement powder or any cement/water mixture may cause irritant contact dermatitis, and/or delayed onset skin burns. The latter could be quite severe when prolonged skin contact occurs.
  - May lead to transient itching or redness due to mechanical irritation. These effects disappear after several days.
  - Exceptionally sensitisation
  - Irritating to skin.

**Chronic toxicity:** Not reported by normal use.

**Further information:**
- The slagwool fibres in this product have low bio-persistance (in animal tests, half life of fibres with lengths of more than 20 µm was less than 10 days after inhalation or less than 40 days after intratracheal instillation). Hence, according to Directive 97/69/EC classification as carcinogenic substance does not apply.

12. Ecological information

- do not discharge into drains or watercourses
- Ecotoxicity: slight increase of PH when discharged in residual water.
13. Disposal considerations

Product disposal: Handle as construction industry waste and dispose in accordance with local legislation
Packaging disposal: Dispose according to local legislation

14. Transport information

Road transport: Product is not classified as dangerous
Inland shipping transport: Product is not classified as dangerous
Sea shipping transport: Product is not classified as dangerous
Air transport: Product is not classified as dangerous

15. Regulatory information

Labelling according to EEC – Directives:

Classification of the preparation and danger indication:

Xi - IRRITANT

Specific provisions in relation to protection of man and environment:

R 36/37/38; R 43
S 22; S 24/25; S 26; S 37.
16. Other information

List of relevant R and S phrases

R 36/37/38: Irritating to eyes, respiratory system and skin
R 43: May cause sensitisation by skin contact
S 22: Do not breathe dust
S 24/25: Avoid contact with skin and eyes
S 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S 37: Wear suitable gloves

The recommendations for use and installation of the product have to be followed as indicated in the suitable handbooks or guidelines.

The health and safety information contained herein is believed to be accurate and correct based on our current knowledge at the date of issue and no liability can be accepted for any loss, injury or damage resulting from its use. It is intended as a guide for the safe handling, storage and use under normal conditions, but does not necessarily refer to the particular requirements of a customer when further advise should be obtained.

This data sheet and the information it contains is not intended to supersede any terms or conditions of sale and does not constitute a specification. Nothing contained herein is to be construed as a recommendation for use in violation of any patent or applicable laws or regulations.

This data sheet has been revised according to the Regulation (EC) N° 1907/2006 of 18 December 2006. (OJ 29.5.2007, L136/3)