



# MR. Dental Supplies Limited

4 MANOR WAY, OLD WOKING, SURREY, GU22 9JX, UK

☎ +44 (0) 1483 773282 | ✉ info@mrdental.co.uk | 🌐 www.mrdental.co.uk

## Material Safety Data Sheet

No:4

|                                                                                                                                                                  |                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| <b>Company:</b> MR Dental Supplies Ltd<br>4 Manor Way<br>Old Woking<br>Surrey<br>GU22 9JX, England<br>Telephone: +44 (0) 1483 773282<br>Fax: +44 (0) 1483 740548 | <b>Distributed by:</b> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|

### 1. Commercial Product Name: Meadway Rapid Repair Powder

**2. Chemical Characterisation:** Methacrylate Polymer containing residual peroxide initiator  
This product contains the following hazardous components:

Dibenzoyl peroxide >1% E; O; Xi; R2, R7, R36, R43

### 3. Hazards Identification:

**3.1 Principal Hazard:** Dibenzoyl peroxide is an eye irritant and may cause skin sensitisation.

### 4. First-Aid Measures:

**4.1 Eyes and Skin:** Wash skin in running water and mild soap. After contact with eyes, flush with water.

**4.2 Inhalation:** This is an extremely unlikely source of exposure. The product should be regarded as a nuisance dust.

**4.3 Ingestion:** Wash out mouth with water. Do not induce vomiting. Give water to drink. If patient feels unwell seek medical attention.

### 5. Fire Fighting Measures:

**5.1 Extinguishing Media Suitable:** Foam, Water Mist

**Not to be used:**

**5.2 Special Exposure Hazards:** The following vapours may arise during fires:-

- Methacrylate Monomer Vapours
- Carbon Monoxide

### 6. Accidental Release Measures:

**6.1** Collect in containers for disposal using approved dust respirator.

### 7. Handling and Storage:

**7.1** Store in original container in a cool dry place. Avoid spillages.

### 8. Exposure Controls and Personal Protection:

#### 8.1 Personal Protective Equipment:

**8.1.1 Respiratory Protection:** Not normally required. If dust generation occurs, use approved dust respirator. See also Section 4.2 above.

**8.1.2 Hand Protection:** Wear suitable gloves

**8.1.3 Eye Protection:** Wear goggles.

**8.2 Industrial Hygiene:** Powders have a drying effect on the skin and use of a barrier cream may reduce this effect.

|               |   |       |            |            |              |
|---------------|---|-------|------------|------------|--------------|
| Issue Number: | 2 | Date: | April 2011 | Signed By: | Approved By: |
|---------------|---|-------|------------|------------|--------------|

☐ Manufacturers of Meadway, Medi-Lux and V-Lux dental materials & products.  
Also manufacturers of tooth-making equipment.  
Registered in England No. 3299060



# MR. Dental Supplies Limited

4 MANOR WAY, OLD WOKING, SURREY, GU22 9JX, UK

+44 (0) 1483 773282 | info@mrdental.co.uk | www.mrdental.co.uk

|               |                             |
|---------------|-----------------------------|
| Product Name: | Meadway Rapid Repair Powder |
|---------------|-----------------------------|

| 9. Physical and Chemical Properties:    |              |             |                   | Tested in Accordance with: |
|-----------------------------------------|--------------|-------------|-------------------|----------------------------|
| 9.1 Physical Form:                      |              |             | white powder      |                            |
| 9.2 Odour:                              |              |             | mild              |                            |
| 9.3 Density:                            | ( 20 °C)     | 1.1 - 1.18  | g/cm <sup>3</sup> |                            |
| Bulk Density:                           |              | ca. 550-750 | kg/m <sup>3</sup> |                            |
| 9.4 Vapour Pressure:                    | ( °C)        | N/A         | mbar              |                            |
| 9.5 Viscosity:                          |              | N/A         |                   |                            |
| 9.6 Solubility in Water:                | ( °C)        | Insoluble   | g/l               |                            |
| 9.7 pH Value (at g/l H <sub>2</sub> O): |              | Unknown     | g/l               |                            |
| 9.8 Flash point:                        |              | N/A         | °C                |                            |
| 9.9 Ignition Temperature:               |              | N/A         | °C                |                            |
| 9.10 Explosion Limits:                  | Lower: N/A % |             |                   |                            |
|                                         | Upper: N/A % |             |                   |                            |

|                                                                                   |
|-----------------------------------------------------------------------------------|
| 10. Stability and Reactivity:                                                     |
| 10.1 Thermal Decomposition: Polymer will decompose at temperatures over ca.240°C. |
| 10.2 Hazardous Decomposition Products: Methacrylate Monomer Vapours               |
| 10.3 Hazardous Reactions: Will react with methacrylate monomers.                  |

|                                                                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------|
| 11. Toxicological Information: (data for Dibenzoyl peroxide)                                                                          |
| Dibenzoyl peroxide has been self classified as a danger to water; Water Pollution Class 2. LD <sub>50</sub> , Oral (rat) >5000 mg/kg. |

|                                                                                                                                                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 12. Ecological Information:                                                                                                                               |
| This polymer is non-volatile and insoluble so will accumulate in the ground. It is expected to be readily biodegradable and to have low aquatic toxicity. |

|                                               |
|-----------------------------------------------|
| 13. Disposal Considerations:                  |
| Dispose in accordance with local regulations. |

|                                                                                                 |
|-------------------------------------------------------------------------------------------------|
| 14. Transport Considerations:                                                                   |
| Polymethacrylates do not fall under the transportation classification for dangerous substances. |

|                                                                   |                                                                              |
|-------------------------------------------------------------------|------------------------------------------------------------------------------|
| 15. Regulatory Information:                                       |                                                                              |
| 15.1 Risk Phrases:<br>R43 May cause sensitisation by skin contact | 15.2 Safety Phrases:<br>S22 Avoid breathing dust<br>S37 Wear suitable gloves |
| 15.3 Hazard Symbols<br>Xi; Irritant (St Andrews Cross)            | 15.4 Warning Labels                                                          |

|                                                                                                                                                                                                                                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 16. Other Information                                                                                                                                                                                                                                                |
| The base data for this msds is stored under MR Dental Reference No: 4 There are changes in Sections 1,2,3,4,5,7,8,9,11,12,13, and 16<br>The information in this document contains important information to ensure the safe handling, storage and use of this product |

|               |   |       |            |            |              |
|---------------|---|-------|------------|------------|--------------|
| Issue Number: | 2 | Date: | April 2011 | Signed By: | Approved By: |
|---------------|---|-------|------------|------------|--------------|



# MR. Dental Supplies Limited

4 MANOR WAY, OLD WOKING, SURREY, GU22 9JX, UK

☎ +44 (0) 1483 773282 | ✉ info@mr dental.co.uk | 🌐 www.mrdental.co.uk

This Material Safety Data Sheet has been compiled according to the principles outlined in EC Directive 91/155/EC. The information contained does not constitute the users own assessment of workplace risks as required by other Health and Safety legislation. No claim is made for completeness and all applicable laws and regulations have to be considered.

**IMPORTANT: USE IN THE MANUFACTURE OF MEDICAL DEVICES AND RELATED PRODUCTS.**

MR Dental has performed no clinical testing on the use of this product in any medical application. MR Dental has no data to support the use of this product in any medical application. This product has been manufactured to a specification according to high standards of manufacturing practice. s supplies this product on the specific understanding that it is the sole responsibility of the medical device manufacturer to ensure that the medical device is both safe and fit for the intended purpose and that this product is suitable for use in its manufacture.

|               |   |       |            |            |              |
|---------------|---|-------|------------|------------|--------------|
| Issue Number: | 2 | Date: | April 2011 | Signed By: | Approved By: |
|---------------|---|-------|------------|------------|--------------|

☐Manufacturers of Meadway, Medi-Lux and V-Lux dental materials & products.  
Also manufacturers of tooth-making equipment.  
Registered in England No. 3299060