

# Material Safety Data Sheet

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| Company:   | <b>WHW PLASTICS</b><br>Therm Rd,<br>Cleveland St,<br>Hull,<br>East Yorkshire HU8 7BF<br>United Kingdom | Distributed by: |
| Telephone: | <b>+44 (0)1482 329154</b>  |                 |
| Fax:       | <b>+44 (0)1482 217140</b>  |                 |

| 2. Commercial Product Name: <b>Plaster Coating solution</b>                          |                   |                  |                         |                              |
|--|-------------------|------------------|-------------------------|------------------------------|
| Use: <b>Release agent for dental plaster.</b>  |                   |                  |                         |                              |
| 2.1 Chemical Characterisation: <b>Preparation based on Water and Sodium Alginate</b> |                   |                  |                         |                              |
| <b>This product contains the following hazardous components:</b>                     |                   |                  |                         |                              |
| Ingredient:  | CAS No.           | EC No.           | Concentration by weight | Classification and R Phrases |
| <b>Water</b>   |                   |                  | <b>&gt;97%</b>          | <b>None</b>                  |
| <b>Sodium alginate</b>   | <b>9005-38-3</b>  |                  | <b>&lt;2%</b>           | <b>None</b>                  |
| <b>Red pigment</b>   |                   |                  | <b>&lt;0.01%</b>        | <b>None</b>                  |
| <b>Disodium salt</b>   | <b>139-33-3</b>   | <b>205-358-3</b> | <b>&lt;0.01%</b>        | <b>R36</b>                   |
| <b>Disodium tetraborate</b>  | <b>1303-96-4</b>  | <b>215-540-4</b> | <b>&lt;0.3%</b>         | <b>None</b>                  |
| <b>Nipastat sodium</b>   | <b>35285-69-9</b> | <b>252-488-1</b> | <b>&lt;0.015%</b>       | <b>R41 R22</b>               |

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| 3. Hazards Identification:   |
| 3.1 Principal Hazard: <b>The material on any surface will become extremely slippery.</b> |

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| 4. First-Aid Measures:   |
| 4.1 Skin: <b>Remove contaminated clothing. Wash the affected area with plenty of soap and water.</b>               |
| 4.2 Eyes: <b>Flush with water. If irritation develops, seek medical advice.</b>                                    |
| 4.3 Inhalation: <b>If large quantities have been inhaled. Keep air open as necessary, and seek medical advice.</b> |
| 4.4 Ingestion: <b>Do not induce vomiting, seek medical advice.</b>   |

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| 5. Fire Fighting Measures: <b>Product will burn when dry when in contact with a flame, self-extinguishes when ignition source is removed, but tends to smoulder.</b> |
| 5.1 Extinguishing Media Suitable: <b>Use water-spray and foam extinguishing agent or multi-purpose dry powder extinguishers.</b>                                     |
| 5.2 Special Exposure Hazards: <b>All contaminated areas will be extremely slippery</b>   |

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| 6. Accidental Release Measures:   |
| 6.1 <b>Warning all areas will be extremely slippery. Mechanically collect and place in labelled container. Clean all contaminated areas with water and detergents. After contact with the skin immediately wash with plenty of soap and water. Section 8.</b> |

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| 7. Handling and Storage:   |
| 7.1 Handling: <b>This product should be handled in a well-ventilated area.</b> |
| 7.2 Storage: <b>Temperature not more than 45°C.</b>                            |
| 7.3 Specific Uses: <b>Plaster release agent.</b>                               |

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| 8. Exposure Controls and Personal Protection:  |
| 8.1 Respiratory Protection: <b>Suitable respiratory equipment maybe worn.</b>            |
| 8.2 Hand Protection: <b>Rubber gloves.</b>   |
| 8.3 Eye Protection: <b>Goggles or full face shield</b>                                   |
| 8.4 Industrial Hygiene: <b>Barrier creams should be used routinely by all personnel.</b> |

|                                      |          |   |                                |    |
|--------------------------------------|----------|---|--------------------------------|----|
| 9. Physical and Chemical Properties: |          |   |                                |    |
| 9.1 Form:                            |          |   | Liquid                         |    |
| 9.2 Colour:                          |          |   | Red                            |    |
| 9.3 Odour:                           |          |   | Odourless or faint fishy smell |    |
| 9.4 Density:                         | ( 20 °C) |   | g/cm <sup>3</sup>              |    |
| 9.5 Vapour Pressure:                 | ( 20 °C) |   | mbar                           |    |
| 9.6 Solubility in Water:             |          |   | Soluble                        |    |
| 9.7 Flash point:                     |          |   | °C                             |    |
| 9.8 Ignition Temperature:            |          |   | n/a                            | °C |
| 9.9 Explosion Limits:                | Lower:   | % |                                |    |
|                                      | Upper:   | % |                                |    |

|               |            |       |                  |               |                  |
|---------------|------------|-------|------------------|---------------|------------------|
| Issue Number: | <b>One</b> | Date: | <b>July:2003</b> | Last Revised: | <b>July:2003</b> |
|---------------|------------|-------|------------------|---------------|------------------|

## 10. Stability and Reactivity:

10.1 Thermal Decomposition: **Does not decompose up to 45°C**10.2 Hazardous Decomposition Products: **This product does not undergo spontaneous decomposition. The thermal decomposition may include carbon dioxide and carbon monoxide.**10.3 Hazardous Reactions: **None.**

## 11. Toxicological Information:

**Under normal industrial use there are no known detrimental effects hazardous to health.** Section 4.

## 12. Ecological Information:

**Do not allow to enter soil, waterways or wastewater.**

## 13. Disposal Information:

**Dispose in accordance with local regulations**Proper Shipping Name; **This material does not fall under the classification for dangerous substances.**

## 15. Regulatory Information:

15.1 Risk Phrases:

**None**

15.2 Safety Phrases:

**None**

15.3 Hazard Symbols:

**None**

15.4 Warning Label

**None****16. Other Information**

This Material Safety Data Sheet has been compiled according to the principles outlined in EC Directive 2001/58/EC as amended. The information contained does not constitute the users own assessment of the workplace risks as required by Health and Safety legislation. No claim is made for the completeness and all applicable laws and regulations have to be considered. This product is only intended for industrial use.

The base data for this MSDS is stored in Plaster coating solution.doc revision one, dated July 2003.

The information in this document contains important information to ensure the safe handling, storage and use of this product. The information in this document should be brought to the attention of the person in your organisation responsible for advising on safety matters.

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