



# 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

## Material Safety Data Sheet

## No.26

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

**1. Commercial Product Name:** Meadway Special Nail Liquid

**2. Chemical Characterisation:** Ethyl Methacrylate Monomer

### 3. Hazards Identification:

**3.1 Principal Hazard:** The product may cause irritation to the eyes, skin and respiratory tract. May cause allergic skin rashes.

### 4. First-Aid Measures:

**4.1 Eyes:** Flush with water for 15 minutes, including under eyelids. Obtain emergency medical attention.

**4.2 Skin:** Wash with soap and water. If sticky use waterless cleaner first. Seek medical attention. Wash clothes thoroughly before reuse.

**4.3 Inhalation:** Remove to fresh air. Give oxygen if needed. Obtain emergency medical attention.

**4.4 Ingestion:** Do not induce vomiting. Obtain prompt emergency medical attention. Dilute with water or Activated Charcoal Slurry.

### 5. Fire Fighting Measures:

**5.1 Extinguishing Media:**

**Suitable:**

Chemical foams, Carbon dioxide, dry chemical.

**5.2 Fire and explosion hazards:**

Vapours may travel to source of ignition and flash back. Heat can cause polymerisation with rapid release of energy, which may rupture container explosively.

### 6. Accidental Release Measures:

**6.1** Evacuate the area. Eliminate sources of ignition. Use self-contained breathing apparatus and protective clothing. Dike and absorb with inert-material. Transfer to proper containers for disposal, use non-sparking tools. Contaminated monomer may be unstable, add inhibitor to prevent polymerisation. Keep spills and cleaning runoffs out of sewers and open bodies of water. Spills on porous surfaces can contaminate groundwater.

### 7. Handling and Storage:

**7.1 Precautions for handling:** Use in well ventilated areas. Avoid contact with skin, eyes and clothing. Observe precautions found on the label. Close container after each use. Ground all metal containers when transferring. Use explosion-proof equipment.

**7.2 Precautions for storing:** Store in a cool dry place away from heat, sparks, flame and direct sunlight. Check inhibitor levels every three months.

<b>Issue Number:</b>	2	<b>Date:</b>	April 2011	<b>Signed By:</b>		<b>Approved By:</b>	
----------------------	---	--------------	------------	-------------------	--	---------------------	--

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

## 8. Exposure Controls and Personal Protection:

### 8.1 Personal Protective Equipment:

**8.1.1 Respiratory Protection:** Use self-contained breathing apparatus when needed.

**8.1.2 Ventilation:** Use good, local explosion-proof ventilation with a minimum capture velocity of 100 ft/min at point of monomer release. Local exhaust ventilation is preferred since it prevents contamination dispersion into the work area by controlling it as its source.

**8.1.3 Hand Protection:** Impervious, nitrile.

**8.1.4 Eye Protection:** Safety glasses or chemical splash goggles.

**8.2 Industrial Hygiene:** Wash face and hands thoroughly with soap and water after use and before eating, drinking, smoking or applying cosmetics.

## 9. Physical and Chemical Properties:

Tested in Accordance with:

9.1 Physical Form:

Clear, blue liquid

9.2 Odour:

Mild, pleasant

9.3 Boiling point:

200 °C

9.4 Solubility in Water:

Negligible

9.5 Flash point:

16 °C

9.6 Ignition Temperature:

411 °C

## 10. Stability and Reactivity:

**10.1. Conditions to avoid:** Temperatures above 21°C, ignition sources, oxidising/reducing agents, peroxides, acids, alkalis, amines, ageing and contamination.

**10.2 Hazardous Decomposition Products:** Mainly oxides of carbon when burned.

**10.3 Incompatibility (Materials to avoid):** Reducing and oxidising agents and UV light. Material has strong solvent properties and can soften paint and rubber.

## 11. Toxicological Information:

Product causes mild irritation to the skin and may cause allergic reactions. Vapours can irritate the respiratory tract. Avoid all contact with the eyes as this can cause irritation.

## 12. Ecological Information:

Toxic when mixed with water. Avoid contamination with sewers or open bodies of water. Liquid will seep through porous soil into groundwater.

## 13. Disposal Information:

When discarded it is listed as a hazardous waste by the EPA. Incinerate liquid and diking material after addition of excess inhibitor, in accordance with Federal, State and Local regulations.

## 14. Transport Information:

Label: Flammable liquid

UN Class: 3

UN Number: UN 2277

Packing Group: II

## 15. Regulatory Information:

15.1 Risk Phrases:

R11, R36/37/38, R43

15.2 Safety Phrases:

S2, S7, S9, S16, S20, S29, S33, S37/39

15.3 Hazard Symbols:

None

15.4 Warning Labels:

F, Xi

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

## 16. Other information:

The base data for this MSDS is stored under MR Dental Reference No: 27 There are changes in Sections 1,2,3,4,5,7,8,9,11,12,13, and 16

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.

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:	
---------------	---	-------	------------	------------	--	--------------	--