

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCES / PREPARATION AND COMPANY

Product Name: Enigma High Base Liquid
Product Code: 422, 423, 843, 844, 846

Application: With Enigma High Base or colour tone powders forms a heat cured acrylic denture base.

Company: Davis Schottlander & Davis Ltd
Fifth Avenue, Letchworth Garden City,
Herts SG6 2WD UK
Tel: +44 (0)1462 480848 Fax: +44 (0)1462 482802
msds@schottlander.co.uk www.schottlander.com

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2. HAZARD IDENTIFICATION

Eyes: May cause severe irritation.
Skin: May cause irritation. Prolonged exposure may cause sensitisation.
Ingestion: May cause irritation.
Inhalation: May cause respiratory irritation.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS	%w/w	LTEL	Risk/safety Phrases	Symbol
Methyl methacrylate Monomer	80-62-6	>90	208mg/M ³	R11, 36/37/38, 43, S9, 16, 33	Flammable Xi
Ethylene dimethylacrylate					

4. FIRST AID MEASURES

Eyes: May cause severe irritation.
Skin: May cause irritation. Prolonged exposure may cause sensitisation.
Ingestion: May cause irritation.
Inhalation: May cause respiratory irritation.

5. FIRE FIGHTING MEASURES

Extinguishing media: Powder, carbon dioxide, foam, water spray.
Do not use a jet of water.
May form an explosive mixture with air.

6. ACCIDENTAL RELEASE MEASURES

Personal: Ensure adequate ventilation. See also Section 8.
Environmental: Do not let product enter drains and water supplies.
Cleaning: Large volumes take up with a pump. Take up small quantities with absorbent material (sand, sawdust, universal absorbent). Store for disposal by waste contractor following local regulations.

7. HANDLING AND STORAGE

Handling: Use in a well ventilated area. Avoid skin and eye contact. Do not inhale vapour. Avoid naked flames, sources of ignition and static discharges.

Storage: Keep in tightly closed original container below 30°C. Do not fill container to more than 90%. Air is needed for stability. Keep away from sources of ignition, electrostatic discharges and direct sunlight.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Use in a well ventilated area and avoid inhaling vapour and spray. In accordance with local regulations use a suitable respirator and/or a fume hood. Avoid skin and eye contact. Wear gloves and eye protection. Do not eat or drink when handling the product. Wash hands after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Colourless liquid

Boiling point °C: 101

Flash point °C: 10

Explosive properties: 2.1-12.5%

Water solubility: Insoluble

Odour: Ester like

Melting point °C:

pH:

Oxidising properties:

10. STABILITY AND REACTIVITY

In the presence of free radicals, reducing substances and /or heavy metals, polymerisation with evolution of heat may occur.

11. TOXICOLOGY INFORMATION

Methacrylate sensitive individuals may exhibit an allergic reaction.
See Hazards (Section 2).

12. ECOLOGICAL INFORMATION

Do not discharge to sewers or water supplies.

13. DISPOSAL CONSIDERATIONS

As special waste by authorised waste disposal contractor in accordance with local regulations.

14. TRANSPORT INFORMATION

UN No. 1247. Road/rail 3. Air 3. Sea 3. Inland waterways 3. Packaging II
PSN methyl methacrylate, monomer, stabilised.

15. REGULATORY INFORMATION

EC Directives 93/112/EC, HSE EH40/2001

Xi	Harmful irritant.
R11	Highly flammable.
R36/37/38	Irritating to eyes, respiratory system and skin.
R43	May cause sensitisation by skin contact.
S9	Keep container in well ventilated area.
S16	Keep away from sources of ignition.
S33	Take precautionary measures against static discharges.

16. FURTHER INFORMATION

The data given above covers exclusively the safety requirements of the product(s) and is based on our current knowledge and experience. It does not signify any warranty with regards to the products properties. This product is only supplied for specific uses in dentistry and must be used in accordance with the directions for use.

30_07_13 Version Control v2.0 template issue raised to align with CLP clarifications.