

# MATERIAL SAFETY DATA SHEET

## 1. IDENTIFICATION OF SUBSTANCES / PREPARATION AND COMPANY

Product Name: Enigma Colour Tone Liquid  
Product Code: 0356, 0359, 0673

Application: Liquid carrier medium for acrylic polymer powder

Company: Davis Schottlander & Davis Ltd  
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Date: 12.08.2014 V2.1

## 2. HAZARD IDENTIFICATION

**Eyes:** High concentrations of vapour (>1000ppm) may cause irritation, tearing, blurred vision. Eye contact causes severe irritation and possible corneal damage.

**Skin:** May cause irritation. Prolonged exposure may cause sensitisation.

**Ingestion:** May cause respiratory irritation, headache, nausea, shortness of breath.

**Inhalation:** May cause respiratory irritation, headache, nausea, shortness of breath.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS	%w/w	LTTEL	Risk/safety Phrases	Symbol
Methyl methacrylate monomer	80-62-6		208mg/M3	R11, 36/37/38, 43 S9,16,24,29,33,37,46	X Flammable
1,2-bis(methacryloxy) ethane	150-76-5				

## 4. FIRST AID MEASURES

**Eyes:** Flush with large volumes of water for at least 20 minutes. Seek medical advice.

**Skin:** Wash with soap and water. If irritation persists seek medical advice.

**Ingestion:** Do not induce vomiting. Immediately drink plenty of water. Seek medical advice.

**Inhalation:** Remove the person to fresh air. If breathing difficulties persist seek medical advice.

## 5. FIRE FIGHTING MEASURES

**Extinguishing media:** Carbon dioxide, water, dry chemical.

Forms flammable mixtures with air. Flashback possible. Vapour may polymerise in vents and sprinklers causing blockages.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal:** Ensure adequate ventilation. Wear respirator with filter for organic gases and vapours. Prevent skin and eye contact. See also Section 8.

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**Environmental:** Do not let product enter drains and water supplies. Pick up with suitable absorbent material and store in closed container for disposal by a waste contractor. Clean area with detergent and water.

## 7. HANDLING AND STORAGE

**Handling:** Wear protective clothing, gloves and safety goggles. Use explosion proof electrical equipment.

**Storage:** Keep tightly closed in a cool dry place. Keep in original container. Keep away from strong acids and oxidising agents.

## 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

<b>Appearance:</b>	Colourless liquid
<b>Boling point °C:</b>	101
<b>Flash point °C:</b>	10
<b>Explosive properties:</b>	-
<b>Water solubility:</b>	1.6%
<b>Odour:</b>	Acrid
<b>Melting point °C:</b>	-
<b>pH:</b>	-
<b>Oxidising properties:</b>	-

## 10. STABILITY AND REACTIVITY

The material is stable.

Hazardous polymerisation can occur in the presence of excessive heat, heavy metal contaminants, oxidisers, reducers, peroxides and free radical sources. Avoid sparks and open flames.

Thermal decomposition will release carbon dioxide and carbon monoxide.

## 11. TOXICOLOGY INFORMATION

See hazards (Section 2).

## 12. ECOLOGICAL INFORMATION

Do not discharge to sewers or water supplies.

## 13. DISPOSAL CONSIDERATIONS

By waste contractor in landfill or incinerator in accordance with local regulations.

## 14. TRANSPORT INFORMATION

UN No. 1247, Class 3. Packaging group 2. Label flammable liquid.

## 15. REGULATORY INFORMATION

US OSHA Status: Flammable liquid, HSE EH40/2001

X Hazard

R11	Highly flammable.
R36/37/38	Irritating to eyes, respiratory system and skin.
R43	May cause sensitisation by skin contact.
S9	Keep container in a well ventilated place.
S16	Keep away from sources of ignition.
S24	Avoid contact with skin.
S29	Do not empty into drains.
S33	Take precautionary measures against static discharges.
S37	Wear suitable gloves.
S46	If swallowed seek medical advice immediately and show the container or label.

## 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.

12-08-14 V2.1 revised product numbers

30-07-13 Version Control V2.0 template issue raised to align with CLP clarifications.