

Triad Modelling Liquid

Material no.		Version	1.2 / GB
Specification	144037	Revision date	12.12.2004
VA-Nr		Print Date	22.06.2009
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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**Product information**

Trade name	:	Triad Modelling Liquid
Company	:	DeguDent GmbH Postfach 1364 D-63403 Hanau
Telephone	:	+49 (0)6181/59-5767
Telefax	:	+49 (0)6181/59-5879
Emergency telephone number	:	+49 (0)180 / 23 24-555
Use of the Substance / Preparation	:	For dental use only.

2. COMPOSITION/INFORMATION ON INGREDIENTS**Information on ingredients / Hazardous components**

- **7,7,9 (or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diaza-hexadecane-1,16-diyl-bismethacrylate** < 25%
CAS-No. 72869-86-4 EC-No. 276-957-5
R52/53
- **2,2'-Ethylenedioxydiethyl dimethacrylate** > 50%
CAS-No. 109-16-0 EC-No. 203-652-6
- **methacrylic acid ester** > 10%
CAS-No. Xi
R36/37/38

See chapter 16 for text of risk phrases

3. HAZARDS IDENTIFICATION

Irritant
Irritating to eyes, respiratory system and skin.

4. FIRST AID MEASURES**General advice**

Remove contaminated or saturated clothing immediately and dispose off safely.

Inhalation

Remove to fresh air.

SAFETY DATA SHEET (91/155/EWG)**DeguDent**

A Dentsply International Company

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Skin contact

Wash off immediately with soap and plenty of water.
Consult a doctor in the event of permanent skin irritation.

Eye contact

Rinse thoroughly with plenty of water keeping eyelid open.
If eye irritation persists, consult a specialist.

Ingestion

Call a physician immediately.

5. FIRE-FIGHTING MEASURES**Suitable extinguishing media**

mist, dry powder, foam

Extinguishing media which must not be used for safety reasons

high volume water jet

Special protective equipment for fire-fighters

Employ protective equipment commonly used in the event of fire.
In the event of fire, wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions**

Handle in accordance with good industrial hygiene and safety practices.

Environmental precautions

Prevent penetration into soil, stretches of water and drainage systems.

Methods for cleaning up

Absorb with liquid-binding material, e. g.: diatomaceous earth sand universal binder.

7. HANDLING AND STORAGE**Handling****Safe handling advice**

Handle in accordance with good industrial hygiene and safety practices.
Protect from heat sources, heat and exposure to direct sunlight

Advice on protection against fire and explosion

No special precautions required.

Storage**Requirements for storage areas and containers**

Store in the original receptacle, keeping this tightly sealed, under cool and dry conditions.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Components with workplace control parameters**

Remarks	No substance-specific limiting value being known.
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Personal protective equipment**Hand protection**

Avoid contact with skin.

Wear suitable gloves.

Suitability for specific workplaces should be clarified with protective glove manufacturers.

Eye protection

Avoid contact with eyes.

Safety glasses with side-shields

Hygiene measures

Handle in accordance with good industrial hygiene and safety practices.

Avoid contact with skin, eyes and clothing.

No eating, drinking, smoking, or snuffing tobacco at work. Wash face and/or hands before break and end of work.

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Form	liquid
Colour	transparent, yellowish
Odour	characteristic

Safety data

Flash point	> 100 °C
Autoinflammability	not spontaneously flammable
Explosiveness	not explosive
Density	not determined
Water solubility	partly miscible

10. STABILITY AND REACTIVITY

Conditions to avoid	No decomposition if used as directed.
Hazardous decomposition products	No hazardous decomposition products known.
Hazardous reactions	No dangerous reactions known.

11. TOXICOLOGICAL INFORMATION

Skin irritation	Frequent and continual skin contact can cause skin reaction (skin irritation). Irritation of skin and mucous membranes possible.
Eye irritation	May be irritating on frequent or long-term contact.

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Sensitization None known

12. ECOLOGICAL INFORMATION**Elimination information (persistence and degradability)**

Biodegradability Exposure time: 28 d
Result: 22 % Not readily biodegradable.
Method: OECD 301 F
related to substance: 7,7,9 (or
7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diaza-hexadecane-1,16-diyl-bis
methacrylate

Behaviour in environmental compartments**Ecotoxicity effects**

Ecotoxicological tests with this preparation are not available.

Toxicity to fish LC50 Brachydanio rerio: 10.1 mg/l / 96 h
Method: OECD 203
related to substance: 7,7,9 (or
7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diaza-hexadecane-1,16-diyl-bis
methacrylate

Further information on ecology

Further Information Prevent penetration into soil, stretches of water and drainage systems.

13. DISPOSAL CONSIDERATIONS**Product**

Disposal according to local authority regulations.

Uncleaned packaging

Disposal according to local authority regulations.

14. TRANSPORT INFORMATION**Transport/further information**

Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION**Labelling according to EC Directives****hazard-defining component(s)**

- methacrylic acid ester

Symbol(s) Xi Irritant

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R-phrases(s)	R36/37/38	Irritating to eyes, respiratory system and skin.
S-phrases(s)	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S28	After contact with skin, wash immediately with plenty of soap and water.

National legislation

16. OTHER INFORMATION**Risk phrase (R phrase) texts**

- **7,7,9 (or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diaza-hexadecane-1,16-diyl-bismethacrylate**
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- **methacrylic acid ester**
R36/37/38 Irritating to eyes, respiratory system and skin.

Further information

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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