

**SAFETY DATA SHEET** (EC 1907/2006)**DeguDent**

A Dentsply International Company

**Ducera Lay Mixing Liquid**

Material no.		Version	1.4 / GB
Specification	130062	Revision date	25.06.2008
VA-Nr		Print Date	27.06.2008
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**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****Product information**

Trade name : Ducera Lay Mixing Liquid

Company : DeguDent GmbH  
Postfach 1364  
D-63403 HanauTelephone : +49 (0)6181/59-5767  
Telefax : +49 (0)6181/59-5879  
Email address : SDB@degudent.de  
Emergency telephone number : +49 (0)180 / 23 24-555Use of the Substance /  
Preparation : For dental use only.**2. HAZARDS IDENTIFICATION****Additional safety information for humans and the environment**

Not applicable.

**3. COMPOSITION/INFORMATION ON INGREDIENTS****Chemical nature**

Watery solution of alkali stabilised colloidal silicic acid

**4. FIRST AID MEASURES****Inhalation**See that there is fresh air.  
In case of discomfort: Supply with medical care.**Skin contact**Wash off immediately with plenty of water.  
Consult a doctor in the event of permanent skin irritation.**Eye contact**Rinse thoroughly with plenty of water keeping eyelid open.  
Consult an ophthalmologist.**Ingestion**Have the mouth rinsed with water.  
Consult a physician immediately.**5. FIRE-FIGHTING MEASURES****Suitable extinguishing media**water spray, foam, quenching powder, carbon dioxide (CO<sub>2</sub>)

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**Extinguishing media which must not be used for safety reasons**

high volume water jet

**Specific hazards during fire fighting**

The product itself does not burn.

**Special protective equipment for fire-fighters**

Employ protective equipment commonly used in the event of fire.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions**

Wear suitable gloves.

**Environmental precautions**

When substantial quantities of the product are on hand, do not drain into in water courses, groundwater and sewage system .

**Methods for cleaning up**Pick up mechanically with a suitable material and collect in a suitable container.  
With small amounts: Rinse away any residue with plenty of water.**7. HANDLING AND STORAGE****Handling****Safe handling advice**

Wear suitable protective clothing and gloves.

**Advice on protection against fire and explosion**

No special precautions required.

**Storage****Requirements for storage areas and containers**

Keep tightly sealed in original packing.

**Storage stability**

Protect from frost.

Keep at temperatures of between 5 °C and 30 °C.

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

Remarks                      None known

**Personal protective equipment****Hand protection**

protective gloves

**Eye protection**

Safety glasses with side-shields

**Hygiene measures**

Handle in accordance with good industrial hygiene and safety practices.

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

**Protective measures**

If there is the possibility of skin/eye contact, the indicated hand/eye/body protection should be used.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Appearance**

Form	liquid
Colour	milky-white
Odour	odourless

**Safety data**

pH	9 - 10	(20 °C)
	Medium:	Product
Freezing point	ca. 0 °C	
Boiling point/range	ca. 100 °C	(1013 mbar)
Vapour pressure	ca. 20 hPa	(20 °C)
Density	1.1 - 1.4 g/cm <sup>3</sup>	(20 °C)
Viscosity, dynamic	< 20 mPa.s	(20 °C)

**Further information**

Miscibility in water	completely miscible
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**10. STABILITY AND REACTIVITY**

Conditions to avoid	Protect from frost.
Materials to avoid	None known
Hazardous decomposition products	None known
Further information	Keep at temperatures of between 5 °C and 30 °C.

**11. TOXICOLOGICAL INFORMATION**

Acute oral toxicity	LD50 Rat: > 15000 mg/kg
Skin irritation	Rabbit not irritating
Eye irritation	Rabbit not irritating
Human experience	To date handling this product has not been known to cause any detrimental effects.

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**12. ECOLOGICAL INFORMATION****Elimination information (persistence and degradability)****Behaviour in environmental compartments****Ecotoxicity effects**

Toxicity to fish	LC0 (Brachydanio rerio): 5000 mg/l
Toxicity to bacteria	EC50 Activated sludge: > 10000 mg/l

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**13. DISPOSAL CONSIDERATIONS****Product**

Disposal according to local authority regulations.

**Uncleaned packaging**

Disposal according to local authority regulations.

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

Not classified as dangerous in the meaning of transport regulations.

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**15. REGULATORY INFORMATION****Labelling according to EC Directives**

Other data	According to the Dangerous Preparations Directive (1999/45/EG): no labelling
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**National legislation**

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**16. OTHER INFORMATION****Further information**

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

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.