

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

**LuxaCore Z-Dual, LuxaCore Dual**

Print date: 20.06.2012

MSDS: 2010

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**1. Identification of the substance/mixture and of the company/undertaking****Identification of the substance or mixture**

LuxaCore Z-Dual, LuxaCore Dual

**Company/undertaking identification**

Company name:	DMG Chemisch-Pharmazeutische Fabrik GmbH		
Street:	Elbgaustraße 248		
Place:	D-22547 Hamburg		
Telephone:	+49. (0) 40. 84006-0	Telefax:	+49. (0) 40. 84006-222
Internet:	www.dmg-dental.com	e-mail:	info@dmg-dental.com

**2. Hazards identification****Classification**

Indications of danger : Irritant  
R-phrases:  
Irritating to eyes, respiratory system and skin.  
May cause sensitization by skin contact.

**3. Composition/information on ingredients****Chemical characterization ( Mixture )**

chemical characterization (preparation): Acrylate.-resin.

**4. First aid measures****After inhalation**

Move victim to fresh air. Put victim at rest and keep warm.

**After contact with skin**

After contact with skin, wash immediately with: Water and soap.

**After contact with eyes**

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**After ingestion**

Immediately get medical attention.

**5. Fire-fighting measures****Suitable extinguishing media**Water fog. Extinguishing powder. Sand. Foam. Carbon dioxide (CO<sub>2</sub>).**Extinguishing media which must not be used for safety reasons**

High power water jet.

**Special exposure hazards arising from substance or mixture itself, combustion products, resulting gases**CO<sub>x</sub>, NO<sub>x</sub>**6. Accidental release measures****Personal precautions**

Wear suitable protective clothing. Provide adequate ventilation.

**Environmental precautions**

Do not empty into drains or the aquatic environment.

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**Methods for cleaning up/taking up**

Collect mechanically.

**7. Handling and storage****Handling****Advice on safe handling**

Keep container tightly closed. Wear suitable protective clothing and gloves. Avoid contact with eyes.

**Storage****Requirements for storage rooms and vessels**Keep container tightly closed in a cool, well-ventilated place.  
Store only in original container.**8. Exposure controls/personal protection****Exposure limit values****Exposure controls****Occupational exposure controls**

Ensure adequate ventilation of the storage area.

**Protective and hygiene measures**

When using do not eat or drink.

**Respiratory protection**

The following must be prevented: inhalation.

**Hand protection**

Tested protective gloves are to be worn: Suitable material: NBR (Nitrile rubber).

**Eye protection**

Tightly sealed safety glasses.

**9. Physical and chemical properties****General information**

Physical state:	Paste
Colour:	yellow
Odour:	like: ester

**Important health, safety and environmental information**

	Test method
pH-Value (at 20 °C):	not applicable
<b>Changes in the physical state</b>	
point of decomposition:	> 200 °C
Flash point:	> 150 °C
Density:	1.8 g/cm <sup>3</sup>
Water solubility: (at 20 °C)	1 g/L

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Vapour density: &gt; 1

**10. Stability and reactivity****Conditions to avoid**

Light. heat.  
Decomposition takes place from temperatures above: 200 °C  
Decomposition under formation of: Acrylate.

**Materials to avoid**

Keep away from strong acids, leachates, heavy metal salts and reducing materials.

**Hazardous decomposition products**

Can be released in case of fire: Gas / vapours, irritant. (Acrylate., pungent)

**Further information**

Substances sensitive to light.

**11. Toxicological information****Acute toxicity**

LD50: Rat. 5000mg/kg

**Irritation and corrosivity**

Frequently or prolonged contact with skin may cause dermal irritation.  
Irritant effect on the eye:

**Sensitising effects**

May cause sensitization by skin contact.

**Additional information on tests**

Contains Methacrylic esters.: May produce an allergic reaction.

**12. Ecological information****Persistence and degradability**

Preparation not tested.

**Further information**

Do not empty into drains or the aquatic environment. Leakage into the environment must be prevented.

**13. Disposal considerations****Advice on disposal**

Can be burnt together with household waste in compliance with official regulations in contact with approved waste disposal companies and with authorities in charge.  
Paste: Carry out a burning of hazardous waste according to official regulations.

**Waste disposal number of waste from residues/unused products**

180106 WASTES FROM HUMAN OR ANIMAL HEALTH CARE AND/OR RELATED RESEARCH (except kitchen and restaurant wastes not arising from immediate health care); wastes from natal care, diagnosis, treatment or prevention of disease in humans; chemicals consisting of or containing dangerous substances  
Classified as hazardous waste.

**14. Transport information****Other applicable information**

Not a hazardous material with respect to these transportation regulations.

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**15. Regulatory information****Labelling**

Danger symbols: Xi - Irritant



Xi - Irritant

**Hazardous components which must be listed on the label**

Methacrylic esters.

**R phrases**

36/37/38 Irritating to eyes, respiratory system and skin.  
43 May cause sensitization by skin contact.

**S phrases**

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
28 After contact with skin, wash immediately with plenty of Water and soap. .  
37/39 Wear suitable gloves and eye/face protection.

**National regulatory information**

Water contaminating class (D): 2 - water contaminating

**16. Other information****Full text of R-phrases referred to under sections 2 and 3**

36/37/38 Irritating to eyes, respiratory system and skin.  
43 May cause sensitization by skin contact.

**Further Information**

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*