

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

073243631

**The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).**

073243615 073243623

**The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).**

073241601 073241619 073241627 073243714

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**LuxaCore Z-Dual, LuxaCore Dual**

Print date: 03.07.2014

Product code: 2010\_GHS

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

LuxaCore Z-Dual

**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.3. Details of the supplier of the safety data sheet**

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
e-mail:	info@dmg-dental.com	
Internet:	www.dmg-dental.com	

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture**

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

**GHS classification**

Hazard Statements:  
May cause respiratory irritation.  
Causes serious eye irritation.  
Causes skin irritation.  
May cause an allergic skin reaction.

**2.2. Label elements**

Signal word: Warning  
Pictograms: GHS07

**Hazard statements**

H335	May cause respiratory irritation.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.

**Precautionary statements**

P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Chemical characterization**

chemical characterization (preparation): Acrylate.-resin.

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**LuxaCore Z-Dual, LuxaCore Dual**

Print date: 03.07.2014

Product code: 2010\_GHS

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**SECTION 4: First aid measures****4.1. Description of 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.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****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.

**5.2. Special hazards arising from the substance or mixture**CO<sub>x</sub>, NO<sub>x</sub>**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Wear suitable protective clothing. Provide adequate ventilation.

**6.2. Environmental precautions**

Do not empty into drains or the aquatic environment.

**6.3. Methods and material for containment and cleaning up**

Collect mechanically.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

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

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep container tightly closed in a cool, well-ventilated place.

Store only in original container.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****8.2. Exposure controls**

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according to Regulation (EC) No 1907/2006

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**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.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

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

**Test method**

pH-Value (at 20 °C):	not applicable
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**Changes in the physical state**

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
Vapour density:	> 1

**SECTION 10: Stability and reactivity****10.4. Conditions to avoid**

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

**10.5. Incompatible materials**

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

**10.6. Hazardous decomposition products**

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

**Further information**

Substances sensitive to light.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute toxicity**

LD50: Rat. 5000 mg/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.

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**LuxaCore Z-Dual, LuxaCore Dual**

Print date: 03.07.2014

Product code: 2010\_GHS

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**Additional information on tests**

Contains Methacrylic esters.: May produce an allergic reaction.

**SECTION 12: Ecological information****12.2. Persistence and degradability**

Preparation not tested.

**Further information**

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

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****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.

**SECTION 14: Transport information****Other applicable information**

Not a hazardous material with respect to these transportation regulations.

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulatory information**

Water contaminating class (D): 2 - water contaminating

**SECTION 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 sensitisation by skin contact.

**Full text of H statements referred to under Sections 2 and 3**

H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.

**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.)

# Safety Data Sheet

## LuxaCore Z-Dual

Product code: 213330-213332 (2010\_GHS)

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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

LuxaCore Z-Dual Automix

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### 1.3. Details of the supplier of the safety data sheet

Company Name: DMG AMERICA LLC  
Address: 242 South Dean Street  
City, State, Zip Code: Englewood, NJ. 07631  
Telephone: (800) 662-6383  
email address: [Info@dmg-america.com](mailto:Info@dmg-america.com)  
Website: [www.dmg-america.com](http://www.dmg-america.com)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

#### GHS classification

Hazard Statements:  
May cause respiratory irritation.  
Causes serious eye irritation.  
Causes skin irritation.  
May cause an allergic skin reaction.

#### 2.2. Label elements

Signal word: Warning  
Pictograms: GHS07



#### Hazard statements

H335	May cause respiratory irritation.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.

#### Precautionary statements

P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

#### Chemical characterization

chemical characterization (preparation): Acrylate.-resin.

# Safety Data Sheet

## LuxaCore Z-Dual

Product code: 213330-213332 (2010\_GHS)

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### Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification	
Index No	GHS classification	
REACH No		
	Dimethacrylate Resin	
41637-38-1	Xi - Irritant R36/37/38-43	35 - 45 %
	Bis-GMA	15 - 25 %
1565-94-2	Xi - Irritant R41-43	

Full text of R and H phrases: see Section 16.

## SECTION 4: First aid measures

### 4.1. Description of 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.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### 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.

### 5.2. Special hazards arising from the substance or mixture

CO<sub>x</sub>, NO<sub>x</sub>

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Wear suitable protective clothing. Provide adequate ventilation.

### 6.2. Environmental precautions

Do not empty into drains or the aquatic environment.

### 6.3. Methods and material for containment and cleaning up

Collect mechanically.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

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

### 7.2. Conditions for safe storage, including any incompatibilities

# Safety Data Sheet

## LuxaCore Z-Dual

Product code: 213330-213332 (2010\_GHS)

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### Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.  
Store only in original container.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

### 8.2. 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.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

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

pH-Value (at 20 °C):	not applicable
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### Changes in the physical state

point of decomposition:	> 200 °C
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Flash point:	> 150 °C
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Density:	1.8 g/cm <sup>3</sup>
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Water solubility: (at 20 °C)	1 g/L
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Vapour density:	> 1
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### Test method

## SECTION 10: Stability and reactivity

### 10.4. Conditions to avoid

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

### 10.5. Incompatible materials

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

### 10.6. Hazardous decomposition products

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



# Safety Data Sheet

## LuxaCore Z-Dual

Product code: 213330-213332 (2010\_GHS)

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### Further information

Substances sensitive to light.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity

LD50: Rat. 5000 mg/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.

## SECTION 12: Ecological information

### 12.2. Persistence and degradability

Preparation not tested.

### Further information

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

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### 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.

## SECTION 14: Transport information

### Other applicable information

Not a hazardous material with respect to these transportation regulations.

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### National regulatory information

Water contaminating class (D): 2 - water contaminating

## SECTION 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.

41 Risk of serious damage to eyes.

# Safety Data Sheet

## LuxaCore Z-Dual

Product code: 213330-213332 (2010\_GHS)

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43 May cause sensitisation by skin contact.

### Full text of H statements referred to under Sections 2 and 3

H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.

### 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.*