

## SAFETY DATA SHEETS

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

077809023

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

077809007 077809031 077809049 510017030

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**LuxaFlow**

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**

LuxaFlow Ultra

**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.

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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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**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 |
|----------------------|----------------|

**Changes in the physical state**

|                                 |                       |
|---------------------------------|-----------------------|
| point of decomposition:         | > 200 °C              |
| Flash point:                    | > 150 °C              |
| Density:                        | 1.8 g/cm <sup>3</sup> |
| Water solubility:<br>(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

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Print date: 03.07.2014

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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**

-

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

# Safety Data Sheet

## LuxaFlow Ultra

Product code: 224000-224005 (2010\_GHS)

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

#### 1.1. Product identifier

LuxaFlow Ultra

#### 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

Classification according to Directive 67/548/EEC or 1999/45/EC

Indications of danger: Xi - Irritant

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazard categories:

Serious eye damage/eye irritation: Eye Dam. 1

Hazard Statements:

May cause respiratory irritation.

Causes serious eye damage.

Causes serious eye irritation.

Causes skin irritation.

May cause an allergic skin reaction.

#### 2.2. Label elements

Signal word: Danger

Pictograms: GHS07



#### Hazard statements

|      |                                      |
|------|--------------------------------------|
| H335 | May cause respiratory irritation.    |
| H318 | Causes serious eye damage.           |
| 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 water.   |
| P280           | Wear protective gloves/protective clothing/eye protection/face protection.   |

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

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## LuxaFlow Ultra

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### Chemical characterization

chemical characterization (preparation): Acrylate.-resin.

### Hazardous components

| EC No      | Chemical name   | Quantity  |
|------------|---|-----------|
| CAS No     | Classification according to Directive 67/548/EEC                |           |
| Index No   | Classification according to Regulation (EC) No. 1272/2008 [CLP] |           |
| REACH No   |   |           |
|            | Dimethacrylate Resin  |           |
| 41637-38-1 | Xi - Irritant R36/37/38-43                                      | < 45 %    |
|            |   |           |
|            | Bis-GMA   | 15 - 35 % |
| 1565-94-2  | Xi - Irritant R41-43  |           |
|            |   |           |

Full text of R-, H- and EUH-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 (CO2).

#### Unsuitable extinguishing media

High power water jet.

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

COx, NOx

## 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

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## LuxaFlow Ultra

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### 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



#### Appropriate engineering controls

Ensure adequate ventilation of the storage area.

#### Protective and hygiene measures

When using do not eat or drink.

#### Eye/face protection

Tightly sealed safety glasses.

#### Hand protection

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

#### Respiratory protection

The following must be prevented: inhalation.

## 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 |
| <b>Changes in the physical state</b> |                |
| point of decomposition:              | > 200 °C       |
| Flash point:                         | > 150 °C       |
| Density:                             | 1.8 g/cm³      |
| Water solubility:<br>(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.



# Safety Data Sheet

## LuxaFlow Ultra

Product code: 224000-224005 (2010\_GHS)

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### 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.

#### **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**

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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

# Safety Data Sheet

## LuxaFlow Ultra

Product code: 224000-224005 (2010\_GHS)

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### SECTION 16: Other information

#### Relevant R-phrases (Number and full text)

- 36/37/38 Irritating to eyes, respiratory system and skin.
- 41 Risk of serious damage to eyes.
- 43 May cause sensitisation by skin contact.

#### Relevant H- and EUH-phrases (Number and full text)

- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.

#### Further Information

-

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