

Safety Data Sheet

according to Regulation (EC) No 1907/2006

SilagumComfortPrimer

Print date: 20.04.2016

Product code: 5100

Page 1 of 6

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

SilagumComfortPrimer

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

This mixture is not classified as hazardous according to Directive 1999/45/EC.

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

Hazard categories:

Flammable liquid: Flam. Liq. 2

Serious eye damage/eye irritation: Eye Irrit. 2

Specific target organ toxicity - single exposure: STOT SE 3

Hazard Statements:

Highly flammable liquid and vapour.

Causes serious eye irritation.

May cause drowsiness or dizziness.

2.2. Label elements**Hazardous components which must be listed on the label**

ethyl acetate

Signal word: Danger

Pictograms: GHS02-GHS07

**Hazard statements**

H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

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.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P240	Ground/bond container and receiving equipment.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

SilagumComfortPrimer

Print date: 20.04.2016

Product code: 5100

Page 2 of 6

Special labelling of certain mixtures

EUH066

Repeated exposure may cause skin dryness or cracking.

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

chemical characterization (preparation): Prepolymer(s). ethyl acetate.

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		
205-500-4	ethyl acetate	97 %
141-78-6	F - Highly flammable, Xi - Irritant R11-36-66-67	
607-022-00-5	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336 EUH066	

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

Consult physician.

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

Formation of potentially explosive mixtures with: Air.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Remove all sources of ignition. 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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

SECTION 7: Handling and storage

Safety Data Sheet

according to Regulation (EC) No 1907/2006

SilagumComfortPrimer

Print date: 20.04.2016

Product code: 5100

Page 3 of 6

7.1. Precautions for safe handling**Advice on safe handling**

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges. Use explosion-protected machinery, apparatus, suction equipment, appliances etc.

Further information on handling

Wear suitable gloves. Avoid contact with eyes.

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

Keep only in the original container in a cool, well-ventilated place.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
141-78-6	Ethyl acetate	200	-	-	TWA (8 h)	WEL
		400	-	-	STEL (15 min)	WEL

Additional advice on limit values

MAK 400 ppm (ethyl acetate.)

8.2. Exposure controls**Appropriate engineering controls**

Provide adequate ventilation.

Eye/face protection

Tightly sealed safety glasses.

Hand protection

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

Skin protection

When using do not eat or drink.

Respiratory protection

Do not breathe gas/vapour. Filter respirator (full mask or mouth-piece) with filter: A

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

Physical state: liquid
 Colour: yellow
 Odour: characteristic

Test method

pH-Value (at 20 °C): 7

Changes in the physical state

Initial boiling point and boiling range: > 80 °C

Flash point: > -4 °C

Safety Data Sheet

according to Regulation (EC) No 1907/2006

SilagumComfortPrimer

Print date: 20.04.2016

Product code: 5100

Page 4 of 6

Lower explosion limits:	2,0 vol. %
Upper explosion limits:	11,5 vol. %
Ignition temperature:	> 460 °C
Vapour pressure:	100 hPa
Density:	0,9 g/cm ³
Water solubility:	80 g/L
Vapour density:	> 1

SECTION 10: Stability and reactivity

10.4. Conditions to avoid

heat.

Decomposition takes place from temperatures above: 80°C (boiling temperature / boiling range)

10.5. Incompatible materials

Oxidizing agents. peroxides. acid.

10.6. Hazardous decomposition products

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

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

LD50: Rat. 5000 mg/kg

Irritation and corrosivity

Irritant effect on the skin: prolonged action.

Irritant effect on the eye: irritant.

SECTION 12: Ecological information

12.1. Toxicity

Acute fish toxicity LC50: > 333 mg/l/48h (ethyl acetate.)

12.2. Persistence and degradability

Product is biodegradable. (ethyl acetate.)

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.

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

Land transport (ADR/RID)

14.1. UN number:

UN 1173

Safety Data Sheet

according to Regulation (EC) No 1907/2006

SilagumComfortPrimer

Print date: 20.04.2016

Product code: 5100

Page 5 of 6

14.2. UN proper shipping name: ETHYL ACETATE**14.3. Transport hazard class(es):** 3**14.4. Packing group:** II

Hazard label: 3



Classification code: F1

Limited quantity: 1 L

Transport category: 2

Hazard No: 33

Tunnel restriction code: D/E

Other applicable information (land transport)

E2

Marine transport (IMDG)**14.1. UN number:** UN 1173**14.2. UN proper shipping name:** ETHYL ACETATE**14.3. Transport hazard class(es):** 3**14.4. Packing group:** II

Hazard label: 3



Special Provisions: -

Limited quantity: 1 L

EmS: F-E, S-D

Other applicable information (marine transport)

E2

Air transport (ICAO)**14.1. UN number:** UN 1173**14.2. UN proper shipping name:** ETHYL ACETATE**14.3. Transport hazard class(es):** 3**14.4. Packing group:** II

Hazard label: 3



Limited quantity Passenger: 1 L

IATA-packing instructions - Passenger: 353

IATA-max. quantity - Passenger: 5 L

IATA-packing instructions - Cargo: 364

IATA-max. quantity - Cargo: 60 L

Other applicable information (air transport)

E2

: Y341

14.5. Environmental hazards

Safety Data Sheet

according to Regulation (EC) No 1907/2006

SilagumComfortPrimer

Print date: 20.04.2016

Product code: 5100

Page 6 of 6

ENVIRONMENTALLY HAZARDOUS: no

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): 1 - slightly water contaminating

SECTION 16: Other information**Relevant R-phrases (Number and full text)**

- | | |
|----|---|
| 11 | Highly flammable. |
| 36 | Irritating to eyes. |
| 66 | Repeated exposure may cause skin dryness or cracking. |
| 67 | Vapours may cause drowsiness and dizziness. |

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

- | | |
|--------|---|
| H225 | Highly flammable liquid and vapour. |
| H319 | Causes serious eye irritation. |
| H336 | May cause drowsiness or dizziness. |
| EUH066 | Repeated exposure may cause skin dryness or cracking. |

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

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Silagum

Print date: 21.04.2016

Product code: 5010

Page 1 of 4

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

Silagum

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

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Hazard categories:

Serious eye damage/eye irritation: Eye Dam. 1

Hazardous to the aquatic environment: Aquatic Acute 1

Hazard Statements:

Causes serious eye damage.

Very toxic to aquatic life.

2.2. Label elements

Signal word:

Danger

Pictograms:

GHS05-GHS09

**Hazard statements**

H318

Causes serious eye damage.

H400

Very toxic to aquatic life.

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.

P391

Collect spillage.

P312

Call a POISON CENTER/doctor if you feel unwell.

P280

Wear protective gloves/protective clothing/eye protection/face protection.

P273

Avoid release to the environment.

2.3. Other hazards

No risks worthy of mention. Please observe the information on the safety data sheet at all times.

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

Paste

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Silagum

Print date: 21.04.2016

Product code: 5010

Page 2 of 4

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		
	Fatty Alcohol Ethoxylate	< 2.5 %
68131-39-5	Xi - Irritant, N - Dangerous for the environment R41-50	
	Eye Dam. 1, Aquatic Acute 1 (M-Factor = 1); H318 H400	

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**

not applicable

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

Consult physician.

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.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Wear suitable protective clothing.

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. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

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. Ensure adequate ventilation of the storage area. Store only in original container.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Silagum

Print date: 21.04.2016

Product code: 5010

Page 3 of 4

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

Tightly sealed safety glasses.

Hand protection

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

Skin protection

When using do not eat or drink.

Respiratory protection

No risks worthy of mention.

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

Physical state:	Paste
Colour:	characteristic
Odour:	characteristic

pH-Value (at 20 °C):

not applicable

Test method**Changes in the physical state**

Initial boiling point and boiling range:

> 300 °C

Flash point:

> 130 °C

Ignition temperature:

> 400 °C

Density:

1,2 - 1,7 g/cm³

Water solubility:

insoluble

Vapour density:

> 1

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

heat.

Decomposition takes place from temperatures above: 100 °C

Decomposition under formation of: Formaldehyde.

10.5. Incompatible materials

On contact with water: Formation of: hydrogen.

10.6. Hazardous decomposition products

hydrogen. Formaldehyde.

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

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Silagum

Print date: 21.04.2016

Product code: 5010

Page 4 of 4

Acute toxicity

LD50: Rat. 5000 mg/kg

Irritation and corrosivity

Irritant effect on the skin: Not an irritant.

Irritant effect on the eye: irritant.

SECTION 12: Ecological information**12.1. Toxicity**

Acute fish toxicity LC50: > 200 mg/l/96h

12.2. Persistence and degradability

Preparation not tested.

Further information

Do not empty into drains or the aquatic environment.

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.

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): 1 - slightly water contaminating

SECTION 16: Other information**Relevant R-phrases (Number and full text)**

41 Risk of serious damage to eyes.
50 Very toxic to aquatic organisms.

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

H318 Causes serious eye damage.
H400 Very toxic to aquatic life.

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

Safety Data Sheet

according to Regulation (EC) No 1907/2006

SilagumComfortReliningVarnish

Print date: 07.02.2017

Product code: 5010

Page 1 of 4

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

1.1. Product identifier

SilagumComfortReliningVarnish

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

Regulation (EC) No. 1272/2008

Hazard categories:

Serious eye damage/eye irritation: Eye Irrit. 2

Hazard Statements:

Causes serious eye irritation.

2.2. Label elements

Regulation (EC) No. 1272/2008

Signal word: Warning

Pictograms:



Hazard statements

H319 Causes serious eye irritation.

Precautionary statements

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.

2.3. Other hazards

No risks worthy of mention. Please observe the information on the safety data sheet at all times.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Paste

Safety Data Sheet

according to Regulation (EC) No 1907/2006

SilagumComfortReliningVarnish

Print date: 07.02.2017

Product code: 5010

Page 2 of 4

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
68131-39-5	Fatty Alcohol Ethoxylate			< 2.5 %
	Eye Dam. 1, Aquatic Acute 1; H318 H400			

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures**4.1. Description of first aid measures****After inhalation**

not applicable

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

Consult physician.

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.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Wear suitable protective clothing.

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. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

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. Ensure adequate ventilation of the storage area. Store only in original container.

SECTION 8: Exposure controls/personal protection

Safety Data Sheet

according to Regulation (EC) No 1907/2006

SilagumComfortReliningVarnish

Print date: 07.02.2017

Product code: 5010

Page 3 of 4

8.1. Control parameters**8.2. Exposure controls****Eye/face protection**

Tightly sealed safety glasses.

Hand protection

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

Skin protection

When using do not eat or drink.

Respiratory protection

No risks worthy of mention.

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

Physical state:	Paste
Colour:	characteristic
Odour:	characteristic

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

Initial boiling point and boiling range:	> 300 °C
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Flash point:	> 130 °C
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Ignition temperature:	> 400 °C
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Density:	1,2 - 1,7 g/cm ³
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Water solubility:	insoluble
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Vapour density:	> 1
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SECTION 10: Stability and reactivity**10.4. Conditions to avoid**

heat.

Decomposition takes place from temperatures above: 100 °C

Decomposition under formation of: Formaldehyde.

10.5. Incompatible materials

On contact with water: Formation of: hydrogen.

10.6. Hazardous decomposition products

hydrogen. Formaldehyde.

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

LD50: Rat. 5000 mg/kg

Safety Data Sheet

according to Regulation (EC) No 1907/2006

SilagumComfortReliningVarnish

Print date: 07.02.2017

Product code: 5010

Page 4 of 4

Irritation and corrosivity

Irritant effect on the skin: Not an irritant.

Irritant effect on the eye: irritant.

SECTION 12: Ecological information

12.1. Toxicity

Acute fish toxicity LC50: > 200 mg/l/96h

12.2. Persistence and degradability

Preparation not tested.

Further information

Do not empty into drains or the aquatic environment.

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.

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 hazardous 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): 1 - slightly water contaminating

SECTION 16: Other information

Changes

re-classification of GHS-CLP labeling (H319)

Relevant H and EUH statements (number and full text)

H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H400 Very toxic to aquatic life.

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