

Safety Data Sheet

according to Regulation (EC) No 1907/2006

mhc microhybrid composite

Print date: 16.06.2015

Product code: 03

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

1.1. Product identifier

mhc microhybrid composite

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:	Saremco Dental AG	
Street:	Gewerbestrasse 4	
Place:	CH-9445 Rebstein	
Telephone:	+41 71 775 80 90	Telefax: +41 71 775 80 99
e-mail:	info@saremco.ch	
Contact person:	Dr. Christoph Evers	Telephone: +41 71 775 80 60
e-mail:	Christoph.evers@saremco.ch	
Internet:	www.saremco.ch	
Responsible Department:	Vigilance	

1.4. Emergency telephone number: CH: 145
Ausland: +41 44 251 51 51

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

GHS classification

Hazard categories:
Serious eye damage/eye irritation: Eye Dam. 1
Hazard Statements:
Causes serious eye damage.

2.2. Label elements

Signal word: Danger

Hazard statements

H318 Causes serious eye damage.

Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

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Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification	
Index No	GHS classification	
REACH No		
	ethox. BisGMA	5 - < 10 %
41637-38-1	Xi - Irritant R36/37/38-43	
216-367-7	BISPHENOL A GLYCEROLATE DIMETHACRYLATE	5 - < 10 %
1565-94-2	Xi - Irritant R41-43	
	Eye Dam. 1; H318	
203-652-6	Triethyleneglycoldimethacrylate	5 - < 10 %
109-16-0	Xi - Irritant R36/37/38	
	Eye Irrit. 2, STOT SE 3, Skin Irrit. 2; H319 H335 H315	
	Iron Oxide black	< 0.1 %
1317-61-9		
215-168-2	Diiron Trioxide Red	< 0.1 %
1309-37-1	Xi - Irritant R36/37/38	
	Skin Irrit. 2, Eye Irrit. 2A, STOT SE 3; H315 H319 H335	

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

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Provide fresh air.

After contact with skin

Wash with plenty of water. Change contaminated clothing.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

After ingestion

Rinse mouth immediately and drink plenty of water.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.

5.2. Special hazards arising from the substance or mixture

The product itself does not burn.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

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6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Take up mechanically. Treat the recovered material as prescribed in the section on waste disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
1309-37-1	Rouge, total inhalable	-	10		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL

8.2. Exposure controls

Protective and hygiene measures

Remove contaminated, saturated clothing immediately. Protect skin by using skin protective cream.

After work, wash hands and face. When using do not eat or drink.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Paste
 Colour:
 Odour: characteristic

Test method

Changes in the physical state

Initial boiling point and boiling range: 162 °C
 Flash point: 110 °C
 Solvent content: 5.44 %, Water: 0.26 %

9.2. Other information

Solid content: 72.31 %

SECTION 10: Stability and reactivity

10.2. Chemical stability

Sensitivity to light.

10.4. Conditions to avoid

UV-radiation/sunlight.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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Acute toxicity

CAS No	Chemical name				
	Exposure routes	Method	Dose	Species	Source
109-16-0	Triethyleneglycoldimethacrylate				
	oral	LD50	> 2000 mg/kg	literature value	
1317-61-9	Iron Oxide black				
	oral	LD50	> 5000 mg/kg	Rat	

Irritation and corrosivity

Irritating to eyes.

Sensitising effects

May cause sensitization by skin contact.

Additional information on tests

The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

SECTION 12: Ecological information

12.1. Toxicity

CAS No	Chemical name					
	Aquatic toxicity	Method	Dose	[h] [d]	Species	Source
1317-61-9	Iron Oxide black					
	Acute fish toxicity	LC50	> 1000 mg/l	96 h	Leuciscus idus (golden orfe)	

Further information

Do not allow to enter into surface water or drains. The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Dispose of waste according to applicable legislation.

Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

Land transport (ADR/RID)

Other applicable information (land transport)

No dangerous good in sense of these transport regulations.

Marine transport (IMDG)

Other applicable information (marine transport)

No dangerous good in sense of these transport regulations.

Air transport (ICAO)

Other applicable information (air transport)

No dangerous good in sense of these transport regulations.

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

1999/13/EC (VOC): 5.436 %

National regulatory information

Water contaminating class (D): 3 - highly water contaminating

SECTION 16: Other information**Full text of R phrases referred to under Sections 2 and 3**

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

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

- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.

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