

Material Safety Data Sheet
according to decree (EC) No. 1907 / 2006

Revision: 0
Revised at:

1. Chemical Product and Company Identification

Product Name:

Calcident LC

Application of the product:

Indirect pulp-cappings
Fillings under all kind of filling-materials

Manufacturer

Willmann + Pein GmbH

Street:

Schusterring 35

Zip-Code / Town

D-25355 Barmstedt

Contact for technical information

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Emergency Information (24 hours):

Dr. Wolfgang Willmann
Tel: 0170-4053052

2. Hazard Identification

Potential Hazards: Xi, irritant

Classification: R36/37/38

Irritant at skin-, eye- and mucosa contact

Special hazard for human and environment: none

3. Composition / Information on Ingredients

Chemical characterization:

Mixture of different dimethacrylates, silicates, barium sulfates, pigments, catalysts, auxiliary substances

Hazardous ingredients:

Description	CAS-No.	Content	hazard symbol	r-phrases
HDMA	6606-59-3	<31 %	Xi	36/37/38
BIS-GMA	1565-94-2	<20 %	Xi	36/37/38

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4. First-Aid-Measures

General Advices:

after inhalation: fresh air, contact doctor at vomiting or illness

after skin contact: wash with plenty of water

after eye contact: rinse with plenty of water and consult a doctor

after swallowing: consult doctor

advices for doctor: consumable material for dentists and dental laboratories

5. Fire-fighting measures

Suitable extinguishing media: Foam, dry powder extinguisher, carbonic acid, waterfog

Unsuitable extinguishing media: water

Specific hazards: none

Specific protective equipment for fire-fighters: not specified

6. Accidental release measures

Personal precautions:

Avoid contact with skin, eyes and mucosa.

Environmental measures:

Do not allow to enter drains.

Clean-up procedures:

Clean-up mechanical. Use commercial absorbents.

Additional Advices: none

7. Handling and Storage

Handling

Handling only through qualified staff in dentist practice or in dental laboratories

Advices for safe handling: See instruction for use

Information about fire- and explosion protection: No special measures necessary.

Storage conditions:

Storage temperature: room temperature

Requirements on storage rooms and container:

Keep container tightly closed, store in well-ventilated rooms.

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Advices for clustering and forbiddance:

Do not store together with foodstuff

Further information to storage conditions:

Do not allow to reach childrens hands.

VbF-class: not applicable

8. Exposure controls / Personal Protection

Additional advices for configuration of technical equipment: none

Components with reference to limited values at work station:

CAS-No.	Indication	Constitution	Value	Unit
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Additional Advices: Hazards refering to workstation are not known.

Personal protective equipment::

The type of personal protective equipment has to be chosed work station specific in dependency of hazardous substance concentration and -amount.

Breathing protection:	avoid direct breathing
Eye protection:	safety goggles advised
Hand protection:	safety gloves advised
Body protection:	Wear business usual protection clothes (cotton lab coat)
Advices for hygienic:	Wash hands

PNCE and DNCL-Values as to be possibly worked out in a preparation safety report do not exist.

9. Physical and chemical Properties

Appearance:

Form:	pasty
Colour:	tooth like, opaque
Odour/Flavour:	neutral

Safety relevant data:

Ph at condition of delivery:	no data available
Ph at g/l H ₂ O and 20 °C:	no data available
State change:	not applicable
Boiling point/-range:	no data available (°C)
Melting point/-range:	no data available (°C)
Flash point:	no data available (°C)
Inflammability:	no data available
Ignition temperature:	no data available (°C)
Self inflammability:	no data available
Oxidizing properties:	not applicable
Explosion risk:	not applicable
Lower explosion limit:	not applicable
Upper explosion limit:	not applicable

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Steam pressure:	no data available	(°C)
Density:	not applicable	(°C)
Bulk density:	no data available	
Solubility in water: (20°C) (°C)	no data available	mg/l
Fat solubility:	no data available	
Partition coefficient: n-octanol/water	no data available	
Viscosity:	no data available	(°C)
Solvent separating test:	no data available	%
Solvent Value:	no data available	%
Further details:	none	

10. Stability and Reactivity

Conditions to avoid:	heat, exposure to light
Substances to avoid:	radical former, for example peroxides
Hazardous decomposition products:	none
Further information:	none

11. Toxicological information

Toxicological tests:

Acute Toxicity

LD50/LC50: Components	Description	Value	Species	Method of determination
Specific symptoms in animal experiments:		no data available		
Irritant-/etching effect:		no data available		
Sensitization:		no data available		
Effect after repeated or length of exposition:		no data available		
Subacute or chronic toxicity:		no data available		
Carcinogenic, genotype changing or Reproduction hazardous effects:		no data available		
Further details:		no data available		
Experiences of practise:		no data available		
Categorization relevant observations:		no data available		
Further observations:		no data available		

Kinetic of the toxic reaction

According the new Material Safety Data Sheet according to REACH, specifications about kinetic of the toxic reaction, metabolism of the substance and allocation of the substance in the human body must be mentioned at this place. Data for this is not available.

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12. Ecological information

Data of elimination:

Method	Analysis method	Elimination grade	Categorization
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Validation: no data available

Additional information: no data available

Behavior in ecological compartments: no data available

Mobility and bioaccumulation potential: no data available

Further advices: none

Ecotoxic effects: no data available

Aquatic effects: no data available

Organism	Test duration	Test method	Result	Validation
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Behavior in clarification plant no data available

Respiration inhibition test of activated sludge: no data available

Additional Advices: none

CSB-Value: no data available mg/g

BSB5-Value: no data available mg/g

AOX-Advice: none

Contains according to formulation the following heavy metals and compounds (according to decree 76/464/EEC): none

General Advices: none

Effect of the determination of the PTB- and vPvB-Report::

Endocrine disruption potential

If the material causes hormonal effects or prevents them is unknown to us.

13. Disposal considerations

Substance / preparation

Consideration of the local regulations of authority .

Disposal key	Disposal name	Burden of proof
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Uncleaned Packages: Consideration of the local regulations of authority .

Recommendations: Consideration of the local regulations of authority .

Agents: praxis- rather laboratory-usual agents

14. Transport information/rules

Land transport

ADR/RID/GGVS/GGVE-Class	Number/Letter	Substance-No.
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Danger sign: danger number:

Description of the good:

Notes:

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Barge transport

AND/ADNR-Class	Number/Letter	Category
Description of the good:		
Notes:		

Maritime transport

IMDG/GGV Sea Class	UN-No:	PG:
EMS:	MFAG:	
Marine Pollutant:		
Correct technical name:		
Notes:		

Air transport

ICAO-TI and IATA Class	UN/ID-No	PG:
Correct technical name:		
Notes:		

Further details: No dangerous good according to the transport regulations.

15. Regulatory information

Labelling according EU guidelinges

Code letter/s and hazard description of the product

Danger symbol and –description:



Xi, irritant

R-phrases: 36/37/38

S-phrases: not necessary

Special labelling of certain preparations: not necessary

National regulations: Art. 10 of the guidelines EEC 66/379 in conjunction with EEC 67/548.

Employment limitation:	none
Statutory order on hazardous incidents:	no categorization

Classification according to VbF:	no categorization
Technical instruction Air:	no categorization
Water hazard class:	no categorization

Further regulations, limitations and ban regulations:
Guideline 93/42 EEC and law of medicine products (MPG) of 1994/02/08.

Safety assessments

Safety Assessments for substances in this preparation were not executed.

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At the moment there exists neither registrations to title 7 either to title 8 for the product.

16. Further information

Further applicable EG Guidelines

Guideline for preparation (1999/45/EC), at last changed by the guideline 2006/8/EC.
Substance Guideline (67/548/EWG), at last changed by the guideline 2006/121 EC.
REACH-Guideline (EC) No. 1907/2006

Manufacturer's suggested application restriction:

Application only through the dentist.

R-phrases that has reference to chapter 2 and 3:

36/37/38 Irritant at skin-, eye- and mucosa contact

Department issuing MSDS:

Dr. Wolfgang Willmann (Phone: +49 (0) 41 23 – 9225 0)

Additional Information:

Origin: ¹ <http://www.baua.de>

² <http://www.arbeitssicherheit.de>

Some of the information presented and conclusions drawn herein are from sources other than direct test-data on the product itself.

The contents and format of this MSDS are in accordance with EEC Commission (EC) No. 1907 / 2006.

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