

Revision: 02
revised on: 26.08.2021, SW

a**1. Product and company name****1.1 Designation of the product:****Calcium Hydroxide Paste****1.2 Relevant identified uses of the substance or mixture and uses advised against****Use of the product (intended use):**

For direct pulp capping

1.3 Details of the supplier providing the safety data sheet:**Manufacturer / Supplier**

dent a pharm Produktionsgesellschaft mbH

Street

Schusterring 35

Nat. no. / postcode / city

D-25355 Barmstedt

Contact for technical information (safety data sheet)

Dr Wolfgang Willmann

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Phone / Fax / E-mail+49 (0) 4123 / 9225 0 / +49 (0) 4123 / 9225 48 / info@dent-a-pharm.de**1.4 Emergency number****Emergency information (24 hours):**

Dr Wolfgang Willmann,

tel.: +49 (0) 170 / 4053052

2. Possible hazards**2.1 Classification of the mixture**

according to Regulation (EC) No 1272/2008:

H318	Causes serious eye damage
H335	May irritate the respiratory tract

2.2 Labelling elements**GHS labelling according to 1272/2008 (GHS/CLP)****Gefahr**

H318
P280
P305+P351+P338

Causes serious eye damage
Wear protective gloves / eye protection
IN THE EVENT OF CONTACT WITH EYES: Rinse

Revision: 02
 revised on: 26.08.2021, SW

P310	cautiously with water for several minutes. Remove any contact lenses, if possible. Continue rinsing. Immediately call POISON CENTRE/doctor/....
H335	May irritate the respiratory tract
P261	Avoid inhalation of dust/fume/gas/mist/vapour/aerosol
P271	Use only outdoors or in a well-ventilated area.
P304+P340	IF INHALED: Remove the person from the area to fresh air and ensure unobstructed breathing.
P312	In the event of feeling unwell, call POISON CENTRE/doctor/....
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store under lock and key.
P501	Dispose of contents/container...

- 2.3 Other hazards**
 No additional information is available.

3. Composition/information on the ingredients

Chemical characterisation:
Hazardous ingredients of the mixture:

Fabric	CAS No./EINECS No./EC No.	Content (%)	Labelling
Calcium hydroxide	CAS No. 1305-62-0 EC No. 215-137-3	45	H315 Skin Irrit. 2 H318 Eye Dam. 1 H335 STOT SE 3
Barium sulphate	CAS No. 7727-43-7 EINECS No. 231-784-4	5	
Hydroxyethylcellulose		2.52	

4. First aid

4.1 Description of first aid measures

After inhalation

Remove the affected person to fresh air. If symptoms occur or in case of doubt, seek medical advice.

After skin contact

Wash skin with soap and water and rinse well. In case of skin irritation, consult a doctor.

After contact with the eyes

In case of contact with the eyes, rinse immediately with running water for 10 to 15 minutes with eyes open and consult an ophthalmologist.

After ingestion by swallowing

Rinse mouth. Call a doctor if you feel unwell.

4.2 Most important symptoms or effects, both acute and delayed

Irritation, coughing, shortness of breath, risk of serious eye damage, risk of blindness

4.3 Indications for immediate medical aid or special treatment

None

5. Measures for firefighting

5.1 Extinguishing agent

Revision: 02

revised on: 26.08.2021, SW

Suitable extinguishing agents:

Foam, extinguishing powder, carbonic acid, water spray - Adapt fire extinguishing measures to the surroundings.

Extinguishing agents unsuitable for safety reasons:

Water at full jet

5.2 Special hazards arising from the mixture

None

5.3 Advice for firefighting

Use the usual measures for fighting chemical fires, i.e. self-contained breathing apparatus (isolation apparatus)

6. Measures in the event of unintentional release**6.1 Personal precautions, protection:**

Do not inhale dust. Avoid contact with eyes and skin.

6.2 Environmental protection measures:

Do not allow to enter drains.

6.3 Methods and material for retention and cleaning

Absorb material mechanically. Avoid dust formation. Take to disposal in suitable containers.

6.4 Reference to other sections

no references

7. Handling and storage**7.1 Protective measures for safe handling****Recommendations:**

The usual precautionary measures when handling chemicals must be observed.

Wear a smock during work.

Notes on fire and explosion prevention:

No special measures necessary.

7.2 Conditions for safe storage taking into account incompatibilities

Store in a cool, dry, closed place.

Storage time: 1.5 years if storage conditions are observed.

7.3 Specific end uses

Wear disposable gloves when working.

8. Exposure controls and personal protective equipment**8.1 Parameters to be monitored**

None known

PNCE and DNCL values as they have to be determined in the context of a possible chemical safety report are not available.

8.2 Exposure controls and monitoring**Personal protective equipment:**

Observe protective and hygienic measures. Separate storage of protective clothing.

The usual precautionary measures for handling chemicals must be observed.

Revision: 02

revised on: 26.08.2021, SW

Respiratory protection: not required
 Eye protection: Wear protective goggles when working with the material.
 Hand protection: Wear suitable protective gloves.
 A chemical protective glove tested according to EN374 is suitable.
 Body protection: Wear normal work clothes.
 Other
 Protective measures: none
 Information on occupational hygiene: Observe the usual occupational protection and hygiene measures.
 Preventive skin protection.
 Wash hands and face after finishing work.

9. Physical and chemical properties

9.1 Information on the basic physical and chemical properties

Apart from the appearance, the specifications only refer to the acrylate resin used.

Appearance:	Pasty, white mass
Odour:	no odour
Odour threshold:	no information
pH value:	> 14
Melting point / freezing point:	no information
Initial boiling point and boiling ranges:	no information given
Flash point:	not determined
Evaporation rate:	no information
Flammability:	no information
Upper / lower flammability or explosion limits:	no information
Vapour pressure:	no information
Vapour density:	no information
Relative density:	see Zwiko
Solubility:	partially soluble in water
Partition coefficient n-octanol / water:	no information
Auto-ignition temperature:	no information
Decomposition temperature:	no information
Viscosity:	no information
Explosive properties:	not known
Oxidising properties:	not known
9.2 Other information:	none

10. Stability and reactivity

10.1 Reactivity

The material is not reactive under normal environmental conditions.

10.2 Chemical stability

The material is stable under normal environmental conditions and the temperature and pressure conditions expected during storage and handling.

10.3 Possibility of hazardous reactions

Under normal conditions of use, no hazardous reactions are known.

10.4 Conditions to avoid

Protect from heat, sunlight to avoid premature drying out.

10.5 Incompatible materials

None under the conditions of use. Incompatible with aluminium.

10.6 Hazardous decomposition products

Revision: 02
revised on: 26.08.2021, SW

None if used as intended

11. Toxicological information

11.1 Information

Acute toxicity

The mixture is not acutely toxic, as estimated from the ingredients.

Irritant effect on the skin

Causes skin irritation

Eye irritation

Causes severe eye damage.

Irritation of the respiratory organs

No irritant effect on the respiratory organs

Sensitisation of the respiratory tract and the skin

Is not to be classified as an inhalation or skin allergen

Summary of the evaluation of the CMR properties

Is not classified as germ cell mutagenic (mutagen), carcinogenic or toxic for reproduction.

Specific target organ toxicity at single exposure

May irritate the respiratory tract

Toxicokinetics

According to the new safety data sheet under REACH, information on toxicokinetics, metabolism and distribution of the substance in the body must be listed here. We do not have any information on this.

Other information

The product must be labelled.

According to our experience and the information available to us, the product has no harmful effects on health when handled and used properly.

The product should be handled with the usual care when handling chemicals.

12. Environmental information

12.1 Toxicity

Fish toxicity: no information for this mixture

Aquatic organisms: no information

Bacterial toxicity: no information

12.2 Persistence and degradability

Do not use with inorganic substances; the organic substances are degradable.

12.3 Bioaccumulation potential

No data available

12.4 Mobility in soil

No data available

12.5 Result of the determination of the PTB and vPvB assessment

It is not known whether the material triggers or prevents hormonal effects.

12.6 Other adverse effects

Not hazardous to water.

13. Notes on disposal

13.1 Method of waste treatment of the preparation

Dispose of properly in accordance with the local official regulations.

Do not allow to enter drains.

Waste code according to the List of Wastes Regulation (AVV)

18 01 07 Chemicals with the exception of those that come under 18 01 06.

Packaging

Revision: 02
revised on: 26.08.2021, SW

Non-contaminated packaging can be sent to a recycling facility.

Revision: 02
revised on: 26.08.2021, SW

14. Transport information**14.1 UN number**

Not subject to transport regulations.

14.2 UN proper shipping name

None

14.3 Transport hazard classes

None

14.4 Packing group

None

14.5 Environmental hazards

None

14.6 Special precautions for traffic

None

14.7 Carriage in bulk in accordance with Annex II of MARPOL 73/79 in accordance with the IBC Code

No

15. Legislation**15.1 Regulations on safety, health and environmental protection/ specific legal requirements for the mixture**

GHS labelling according to 1272/2008 (GHS/CLP)



Gefahr

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IN THE EVENT OF CONTACT WITH EYES: Rinse cautiously

with water for several minutes. Remove any contact lenses, if possible. Continue rinsing.

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15.2 Safety assessments

Safety assessments for substances in this preparation have not been carried out.

16. Other information**Other applicable EC Directives**

Preparations Directive (1999/45/EC), as last amended by Directive 2006/8/EC Substances Directive (67/548/EEC), as last amended by Directive 2006/121/EC.

REACH Regulation (EC) No. 1907/2006, as last amended by REACH Regulation (EC) No. 1272/2008.

Revision: 02
revised on: 26.08.2021, SW

Limitation of use recommended by the manufacturer

For commercial use only - not a product for the general public.

Hazard statements that are referenced in paragraph 2 and 3:

H315 Causes skin irritation

H318 Causes serious eye damage H335

May cause respiratory irritation

Modifications compared with the last version

Labelling modification according to GHS labelling

Department issuing data sheet

Dr Wolfgang Willmann (tel.: 0 41 23 – 92 25 0)

Other notes:

Sources: ¹ [http: // www.baua.de](http://www.baua.de)
 ² [http: // www.arbeitssicherheit.de](http://www.arbeitssicherheit.de)

Some information given here and the conclusions resulting from this has been obtained from sources that were not determined from direct product test data itself.

The contents and format of this safety data sheet comply with the EU Commission Regulation (EC) No. 1272 / 2008.

Warranty restrictions

Information in this safety data sheet originates from sources that we deem reliable.

However, this information is given without any expressed or implicit guarantee regarding its correctness.

The conditions or methods of handling, storage, use or disposal of this product are beyond our control, and may be beyond our knowledge.

For this and other reasons, we expressly accept no responsibility for product loss, damage or other costs associated with using, storage or disposing of the product.

This safety data sheet was specially created for this product only and should only be used for it.

If this product is used as a component of another product, this information will not be applicable.