

**Material Safety Data Sheet
according to decree (EC) No. 1272 / 2008**

Revision: 3

Revision of: 15.07.2021 SW

1. Chemical Product and Company Identification

Product Name:

P-Cem (tubes KAT + BASE)

Application of the Product:

Temporary attachment of crowns and bridges etc.

Manufacturer:

dent a pharm Produktionsges. mbH

Street:

Schusterring 35

Zip-Code / Town

D-25355 Barmstedt

Contact for technical information

+49 (0) 41 23 / 9225 0

Phone / Fax / E-Mail

+49 (0) 4123 / 9225 0 / +49 (0) 4123 / 9225 48 / dent-a-pharm@t-online.de

Emergency information (24 hours):

Dr. Wolfgang Willmann

Phone: +49 (0) 170 / 4053052

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2. Hazard Identification**2.1 Potential Hazards:**
Catalyst**by regulation of (EG) No.1272/2008:**

causes serious eye damage.
very toxic to aquatic life with long lasting effects.

2.2 Elements of hazards identification**by regulation of (EG) –No.1272/2008:****Danger**

H318	causes serious eye damage
P280	wear protective gloves/protective clothing/eye protection/face protection
P305+P351+P338	IN CASE OF CONTACT WITH EYES: Carefully wash out with water for some minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor/physician.

**Warning**

H410	very toxic to water organism with long lasting effect
P273	avoid release to the environment.
P391	collect spillage.
P501	disposal according to official regulations

2.3 Potential Hazards:
Base**by regulation of (EG) No. 1272/2008:**

causes serious eye damage
causes skin irritation

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Elements of hazard identification

By regulation of (EG)No. 1272/2008:



Warning

H315	causes skin irritation
P264	wash thoroughly after handling.
P280	wear protective gloves/protective clothing/ eye protection/face protection
P302+P352	IF ON SKIN: wash with plenty of water
P321	specific treatment (see...on this label)
P362+P364	take off contaminated clothing and wash it before reuse.

3. Composition / Information on Ingredients

Chemical Characterization:

Temporary cement for attachment on the base of Zinc oxide / fatty acid

3.1 Hazardous ingredients of the catalyst:

Stoff	CAS-Nr./EINECS-Nr./ EG-Nr.	Gehalt (%)	Kennzeichnung
Calcium Hydroxide	1305-62-0	4 – 6 %	causes serious eye damage – H318
Zinc oxide	1314-13-2	20-30%	very toxic to water organism with long lasting Effect - H410

3.2 Hazardous ingredients of the base:

Stoff	CAS-Nr./EINECS-Nr./ EG-Nr.	Gehalt (%)	Kennzeichnung
Kokos- Fettsäuren		25-35	schwere Augenschä- digung, Kat.1 – H318 verursacht Hautreizun- gen – H315

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4. First-Aid-Measures

After skin contact:

Wash of skin with soap and water.

After inhalation:

In case of prolonged exposure take patient to open air.

After eye contact:

Rinse eyes with open lids an efficient time with water and consult a physician.

After ingestion:

Immediately seek medical advice.

5. Fire-Fighting-Measures

Suitable extinguishing agents:

Foam, Dry powder, carbonic acid, waterspray stream, Sand

For safety reasons unsuitable extinguishing media:

Direct jet of water.

Specific hazard through the product itself, its combustion products or the emerging gases:

At combustion: Development of carbon monoxide, carbon dioxide,

Protective equipment for fire-fighters:

Use conventional measures to combat chemical fires.

6. Accidental-Release-Measures

Personal precautions:

Use only in well-ventilated areas. Wear personal protection cloth.

Environmental protection measures:

Do not drain into canalisation.

Methods for cleaning / absorption:

The cleaning of stains of unhardened paste (catalyst or base) is possible with a isopropanol or acetic acid ethyle ester soaked rag.

Hardened Material is to be corrected with the usual cement solvents.

Take up material mechanical.

7. Handling and Storage

Handling:

The conventional precautions for works with chemicals are to be adhered.

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Personal precautions:

Use adequate protective gloves. Do not allow to get into the eyes.

Storage conditions:

Storage conditions: Store tubes cool and closed.

Storage time: 3 years, if storage conditions will be kept.

Storage class: ---

8. Exposure Controls/Personal Protection**Limit values for the exposition at work station and / or biological limit values****Work station limit values (AGW) Germany**

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

Personal protective equipment:

Breathing protection: Do not breath vapour.

Eye protection: Goggles

Hand- and skin protection: Rubber gloves

Hygienic measures: Do not eat or drink at workstation.

9. Physical and chemical Properties**Form:** pasty**Color:** Base yellowish, brown

Catalyst white

Odour: Base spicy, acerb

Catalyst odourless

pH-Value: not definable**Flash point:** Base > 120°C

Catalyst > 300°C

Relative Density: Base (20°C) ca. 0,220 g/cm³Catalyst (20°C) ca. 0,430 g/cm³**Solubility:** Base not soluble in water
soluble in acetic acid ethyle esterCatalyst not soluble in water
soluble in isopropyl alcohol**10. Stability and Reactivity****Conditions to avoid:**

No decomposition at intended application

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Substances to avoid:

None known at intended application.

Hazardous decomposition products:

None at intended application

11. Toxicological InformationAcute oral toxicity: LD₅₀ Rat > 2000 mg/kg

Irritation of skin: Irritating on prolonged exposure.

Irritation of eye: Irritating on prolonged exposure.

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 .

12. Ecological Information**Persistence and Degradability:**

Degree of degradation: not defined

Aquatic Toxicity:

acute Fish toxicity: not defined

Bioaccumulation potential:

No data available.

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

Endocrine disruption potential

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

13. Disposal Considerations**Substance / Preparation**

To dispose of accordingly with notice of the local regulations of authority.
(for example by controlled combustion).

Unhardened Material is to be disposed of as hazardous waste.

Uncleaned empty trusses are to be handled like the ingredients.

Disposal key according to AVV regulation

18 01 07

Package

Packages that are not contaminated can be recycled.

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14. Transport Information/Rules

UN-Number: 3077

Landtransport ADR/RID and GGVS/GGVE:

GGVSE: Class 9 – Packaging Group III

ADR: Class 9 – Packaging Group III

RID: Class 9 – Packaging Group III

Inlandwater vessel transport ADN/ADNR:

ADNR-Class: 9 – Packaging Group III

Seagoing vessel transport IMDG/GGVSea:

IMDG-Class: 9 – Packaging Group III

Air transport ICAO-TI and IATA-DGR:

UN/ID-Number: 3077

IATA-DGR-Class: 9 – Packaging Group III

Further Information:

Correct shipping declaration: Environmental hazardous substance, sold, N.O.S.
(Zinc Oxide)

15. Regulatory Information**2.1 Potential Hazards:****Catalyst****by regulation of (EG) No.1272/2008:**

causes serious eye damage.

very toxic to aquatic life with long lasting effects.

2.2 Elements of hazards identification**by regulation of (EG) –No.1272/2008:**

H318

causes serious eye damage

P280

wear protective gloves/protective clothing/eye protection/face protection

P305+P351+

P338

IN CASE OF CONTACT WITH EYES: Carefully wash out with water for some minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

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P310

Immediately call a POISON CENTER or doctor/physician.



Warning

H410
P273
P391
P501

very toxic to water organism with long lasting effect
avoid release to the environment.
collect spillage.
disposal according to official regulations

2.3 Potential Hazards: **Base**

by regulation of (EG) No. 1272/2008:

causes serious eye damage
causes skin irritation

Elements of hazard identification

By regulation of (EG)No. 1272/2008:



Warning

H315
P264
P280

P302+P352
P321
P362+P364

causes skin irritation
wash thoroughly after handling.
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eye protection/face protection
IF ON SKIN: wash with plenty of water
specific treatment (see...on this label)
take off contaminated clothing and wash it before
reuse.

16. Other 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, at last changed by the REACH-Guideline (EC) No. 1272/2008

Manufacturer's suggested application restriction:

Only for commercial use – no public product

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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>

H-phrases on which is referred in chapter 2 and 3:

H315 causes skin irritation

H318 causes serious eye damage

H410 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Changes compared to the last version

Assimilation according REACH-Regulation (EC) No. 1272/2008

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. 1272 / 2008.

Disclaimer of Liability

The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness.

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

For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.

This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.