

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Diemet powder

CAS number:
EC number (EINECS/ELINCS):
EC index number:
REACH registration number:

1.2 Relevant, identified uses of the substance or mixture and uses advised against

Identified uses of the substance or mixture: Curing agent Filler
Not recommended uses of the substance or mixture: Other

1.3 Details of the supplier of the safety data sheet

Manufacturer

ERKODENT Erich Kopp GmbH
Siemensstrasse 3

Telephone: 07445 8501 0
Fax: 07445 2092

D 72285 Pfalzgrafenweiler

Supplier

ERKODENT Erich Kopp GmbH
Siemensstrasse 3

Telephone: 07445 8501 0
Fax: 07445 2092

D 72285 Pfalzgrafenweiler

Information contact

ERKODENT Erich Kopp GmbH

Information Telephone: 07445 8501 21

Information fax:

E-mail (competent person): w.heuchert@erkodent.com

Website: www.erkodent.com

National contact

ERKODENT Erich Kopp GmbH

Information Telephone: 07445 8501 0

Information fax:

E-mail (competent person): info@erkodent.com

Website:

1.4 Emergency telephone number

ERKODENT Erich Kopp GmbH
Only available during office hours.

Telephone: 07445 8501 0

1.5 Dept. responsible for information

Entwicklung +49 (0) 7445 8501-21

2. Hazards identification

2.1 Classification of the substance or mixture

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]. The preparation is not dangerous in the sense of Directive 1999/45/EC.

2.2 Label elements

2.2.1 Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms:



Signal word: GHS07
Warning

H phrases:
317 May cause an allergic skin reaction.
319 Causes serious eye irritation.

P phrases:
261 Avoid breathing dust/fume/gas/mist/vapours/spray.
272 Contaminated work clothing should not be allowed out of the workplace.
280 Wear protective gloves/protective clothing/eye protection/face protection.
302+352 IF ON SKIN: Wash with plenty of soap and water.
321 Specific treatment (see .? on this label).
333+313 If skin irritation or rash occurs: Get medical advice/attention.
501 Dispose of contents/container to .?.
501 Dispose of contents/container to .?.

2.2.2 Labelling according to Directive 67/548/EEC

Hazard symbols:

R phrases: -
S phrases: -

2.3 Other hazards

This substance is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]. This substance is classified as not hazardous according to 67/548/EEC.

3. Composition/information on ingredients

3.1 Chemical characterization of the substance or mixture

Filler Contains: peroxides.

3.2 Composition of the substance or mixture

Substance:	EC-no.:	CAS-No.:	INDEX no.:	REACH-no.:	Concentration:	Classification: EC 1272/2008(CLP):	Classification: 67/548/EEC:
dibenzoyl peroxide; benzoyl peroxide	202-327-6	94-36-0	617-008-00-0		<0,6%	Eye Irrit. 2; H319 Skin Sens. 1; H317	E; R3 O; R7 Xi; R36 -; R43

Ingredients with EC exposure limits

Substance:	EC-no.:	CAS-No.:	INDEX no.:	REACH-no.:	Concentration:	Classification: EC 1272/2008(CLP):	Classification: 67/548/EEC:
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(The wording of the listed risk phrases is given in Chapter 16)

3.3 Additional information

none

4. First aid measures**4.1 Description of first aid measures**

- General information:** No special measures are necessary.
- Following inhalation:** Provide fresh air. In case of troubles or persistent symptoms, consult an ophthalmologist. Rinse mouth thoroughly with water.
- After skin contact:** After contact with skin, wash immediately with plenty of water and soap. Seek medical attention if problems persist. In case of skin irritation, consult a physician.
- Following eye contact:** Rinse immediately carefully and thoroughly with eye-bath or water. In case of troubles or persistent symptoms, consult an ophthalmologist.
- After ingestion:** In case of troubles or persistent symptoms, consult an ophthalmologist. Rinse mouth immediately and drink plenty of water.
- Self-protection:** First aid assistant: Pay attention to self-protection!

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms:** No information available.
- Nature of Hazard:** No information available.

4.3 Indication of any immediate medical attention and special treatment needed

- Emergency aid:** No information available.
- Treatment:** No information available.

5. Fire fighting measures**5.1 General information**

none

5.2 Extinguishing media

- Suitable:** Carbon dioxide (CO₂). Foam. Water spray. Extinguishing powder.
- Unsuitable:** High power water jet.

5.3 Special hazards arising from the substance or mixture

No information available.

5.4 Advice for fire fighters**Special protective equipment for fire-fighters**

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.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Wear personal protection equipment. Remove all sources of ignition. Avoid contact with skin, eyes and clothes. Wear respiratory protection when in the presence of vapour, dust, and aerosols.

6.2 Environmental precautions

Do not empty into drains or the aquatic environment. Do not allow to enter into soil/subsoil.

6.3 Methods and materials for containment and cleaning up

Take up mechanically, placing in appropriate containers for disposal.

6.4 References to other sections

Wet clean or vacuum up solids. Clear spills immediately. Do not use a brush or compressed air for cleaning surfaces or clothing.

7. Handling and storage

7.1 Precautions for safe handling

Information for safe handling

Avoid generation of dust.

Technical measures

Use extractor hood (laboratory).

Precautions against fire and explosion

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge.

Additional information

none

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

No special technical protective measures are necessary.

Packaging materials

Keep/Store only in original container.

Requirements for storerooms and containers

Keep in a cool, well-ventilated place. Put lids on containers immediately after use.

Information about storing together in storage facility

Keep away from food, drink and animal feedingstuffs.

Further information concerning storage conditions

Always close containers tightly after the removal of product.

Storage class:

7.3 Specific end use(s)

Observe instructions for use.

8. Exposure controls / personal protection

8.1 Control parameters

8.1.1 Limits for occupational exposure

Exposure limit values

Substance:	CAS-No.:	Source:	Occupational exposure limit value:	Limitation of exposure peaks:	Remark:
dibenzoyl peroxide; benzoyl peroxide	94-36-0	TRGS 900 (Dibenzoylperoxid 01/06)	5 mg/m ³ E	1 (1)	DFG

EC exposure limit values

Substance:	CAS-No.:	Source:	Occupational exposure limit value:	Limitation of exposure peaks:	Remark:
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8.1.2 DNEL and PNEC values

DNEL-values

Substance:	CAS-No.:	DNEL/DMEL	Industry	Professional	consumer
dibenzoyl peroxide; benzoyl peroxide	94-36-0	Ingestion short term (acute)			
		Ingestion Long Term (repeated)			1,65 mg/kg KG/d
		Skin contact short term (acute)			
		Skin contact Long Term (repeated)	6,6 mg/kg KG/d	6,6 mg/kg KG/d	3,3 mg/kg KG/d
		Inhalation short term (acute)			
		Inhalation Long Term (repeated)	11,75 mg/m ³	11,75 mg/m ³	2,9 mg/m ³

PNEC-values

Substance:	CAS-No.:	PNEC	Worker, industry	Worker, professional	consumer
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8.1.3 Control-Banding

Control-Banding

none

8.1.4 Additional information

none

8.2 Exposure controls

Occupational exposure controls

none

Chemical handling

Do not eat, drink, smoke or sneeze at the workplace. Wash hands before breaks and at the end of work. Take off immediately all contaminated clothing.

Personal protection equipment

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500.

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required. Technical ventilation of workplace.

Hand protection

Suitable gloves type: Butyl rubber. liquid-tight Solvent/Thinner.

Eye protection

Eye protection: not required.

Skin protection

Skin protection: not required.

Environmental exposure controls

refer to chapter 7. No further action is necessary.

Consumer exposure controls

refer to chapter 7. No further action is necessary.

8.3 Exposure scenario

none

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

State of matter: Powder
Colour: Different
Odour: characteristic
Odour threshold: No data available

Safety relevant basis data

Parameter	Value	Unit	Remark
Density:			not determined
Package density:			not determined
pH:			not determined
Melting point / range:			not determined
Boiling temperature / range:			not determined
Flash point:			not determined
Flammability:			not determined
Lower flammability limit:			not determined
Upper flammability limit:			not determined
Explosion hazard:			not explosive.
Lower explosion limit:			not determined
Upper explosion limit:			not determined
Ignition temperature:			none Risk of selfignition.
Decomposition temperature:			not determined
Oxidizing characteristics:			not determined
Vapour pressure:			not applicable
Relative vapour density:			not applicable
Speed of vaporization/evaporation rate:			not applicable
Solubility in water:			insoluble
Fat solubility:			not determined
Solubility in log P O/W (n-octanol / water):	:		not determined
Viscosity:			XXXX not applicable
Solvent separation test:			not determined
Solvent content:		0,0 %	

9.2 Other information

Solid content (%): 100

10. Stability and reactivity

10.1 Reactivity

Polymerization.

10.2 Chemical stability

none slow decomposition spontaneous decomposition

10.3 Possibility of hazardous reactions

none Hazardous decomposition products

10.4 Conditions to avoid

No information available.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

Thermal decomposition can lead to the escape of irritating gases and vapours.

10.7 Additional information

none

11. Toxicological information

11.1 Information on toxicological effects

Data apply to the principal component.

Acute toxicity

Substance:	CAS-No.:	Toxicological information
dibenzoyl peroxide; benzoyl peroxide	94-36-0	Akute Toxizität, oral LD50: > 5000 mg/kg (Ra.)

Specific symptoms in laboratory animals

No data available

11.2 Irritation and etching

Irritant effect on the skin

none

Irritant effect on the eye

irritant.

Irritant effect on the respiratory tract

slightly irritant but not relevant for classification.

Etching

none

11.3 Sensitization

No symptoms known up to now.

11.4 Repeated dose toxicity

No information available.

11.5 CMR effects

Carcinogenicity

No information available.

Mutagenicity

No information available.

Reproductive toxicity

No information available.

11.6 General remarks

max. 0,6 % Dibenzoylperoxide

Practical experience

No information available.

Other observations

No information available.

Additional information

No information available.

12. Ecological information

12.1 Toxicity

The information about ecology refers to the main components.

Eco toxicity

Substance:	CAS-No.:	Ecotoxicity
dibenzoyl peroxide; benzoyl peroxide	94-36-0	Akute Fischtoxizität LC50: 0,0602 mg/l/96 h (Regenbogenforelle [Oncorhynchus mykiss]) Akute Daphnientoxizität EC50: 0,110 mg/l/48 h (Großer Wasserfloh[Daphnia magna]) Akute Algentoxizität EC50: 0,0711 mg/l/72 h ([Pseudokirchneriella subcapitata])

12.2 Persistence and degradability

No information available.

12.3 Bio accumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

not applicable

12.6 Other adverse effects

No information available.

12.7 Further ecological information

Water Hazard Class: slightly hazardous to water (WGK 1)

12.8 Further details

Do not empty into drains or the aquatic environment.

13. Disposal considerations

13.1 Waste treatment methods

Appropriate disposal/Product

Can be burnt together with household waste in compliance with official regulations in contact with approved waste disposal companies and with authorities in charge.

Appropriate disposal/ packaging

Waste disposal according to official state regulations.

Control report for waste code/ waste marking according to EAKV

Carry out a burning of hazardous waste according to official regulations.

Waste key product: 07 02 13 - Kunststoffabfälle

Waste key packaging:

Remark

Waste disposal according to official state regulations.

14. Transport information

14.1 Overland transport (ADR/RID)

Proper Shipping name

UN No.:

Label:

Remark:

Packing Group:

Classification code:

Not a hazardous material with respect to these transportation regulations.

14.2 Transport by sea (IMDG)

Proper Shipping name

UN-No.:

Label:

EmS-No:

Special Provisions:

Remark:

Packing Group:

MFAG:

Marine pollutant:

Not a hazardous material with respect to these transportation regulations.

14.3 Air transport (ICAO-TI / IATA-DGR)

Proper Shipping name

UN/ID-No.:

Label:

Remark:

Packing Group:

Not a hazardous material with respect to these transportation regulations.

14.4 Mail

Not a hazardous material with respect to these transportation regulations.

15. Regulatory information

15.1 Labelling

Hazardous component(s) for labelling

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Special labelling of particular preparations

No label required according to 1999/45/EC, annex V B, No. 9.

15.2 Safety, health and environmental regulations/legislation specific for the substance or mixture**EU-Regulations****Directive 1999/13/EC on the limitation of emissions of volatile organic compounds (VOC-RL)**

No information available.

Regulation (EC) No 2037/2000 on substances that deplete the ozone layer

No information available.

Regulation (EC) No 850/2004 on persistent organic pollutants

No information available.

Regulation (EC) No 689/2008 concerning the export and import of dangerous chemicals

No information available.

Regulation (EC) No 648/2004 (Detergents regulation)

No information available.

Restrictions under Title VIII of Regulation (EC) No 1907/2006

No information available.

National regulations

Moreover, national legislation has to be observed!

Informations on working limitations

No information available.

Major Accidents Ordinance

No information available.

Storage class according to VCI**Water Hazard Class according to VwVwS**

1 weak water pollutant (WGK 1)

Technical Instructions on Air Quality Control (TA-Luft)

No information available.

Further regulations, limitations and legal requirements

No information available.

15.3 Chemical safety assessment

For this preparation a chemical safety assessment has been carried out:

For this substance a chemical safety assessment has not been carried out.

16. Other information**16.1 Wording of the H and R-phrases under paragraph 3****Regulation (EC) No 1272/2008**

317 May cause an allergic skin reaction.

319 Causes serious eye irritation.

Directive 67/548/EEC

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16.2 Training instructions

none/none

16.3 Recommended restrictions of use

none

16.4 Further remarks

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

16.5 Documentation of changes

* Data changed from previous versions

16.6 Data sources

none/none

16.7 Key and definition

Wording of the r-phrases under paragraph 3:

17. Appendix**17.1 Exposure scenario**

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