



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No. 2015/830

Revision date: 15/9/2022  
Version: 6.1  
Language: en-GB,IE  
Date of print: 12/10/2022

## PULVERLACK CEWEPOX 21

Material number 21

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

#### 1.1 Product identifier

Trade name: PULVERLACK CEWEPOX 21

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

General use: Coating agent, Industrial use

#### 1.3 Details of the supplier of the safety data sheet

Company name: CWS Powder Coatings GmbH

Street/POB-No.: Katharinenstr. 61

Postal Code, city: 52353 Düren

WWW: www.cws-powder.de

Telephone: +49 (0)2421 - 983-0

Telefax: +49 (0)2421 - 983-119

Department responsible for information:

Frau Breuer, Telephone: +49 (0)2421-983 284, E-mail: m.breuer@cws.de

#### 1.4 Emergency telephone number

GIZ-Nord, Göttingen, Germany,

Telephone: +49 551-19240

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification according to EC regulation 1272/2008 (CLP)

This mixture is classified as not hazardous.

#### 2.2 Label elements

##### Labelling (CLP)

Hazard statements: not applicable

Precautionary statements: P260 Do not breathe dust.

##### Special labelling

EUH210 Safety data sheet available on request.

EUH212 Warning! Hazardous respirable dust may be formed when used. Do not breathe dust.

#### 2.3 Other hazards

Danger of dust explosion.

Results of PBT and vPvB assessment:

No data available

### SECTION 3: Composition/information on ingredients

3.1 Substances: not applicable

#### 3.2 Mixtures

Chemical characterisation: Powder coating, binder base: epoxy resin

The product contains no substances which at their given concentration are considered to be hazardous to health.



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Additional information: Contains Titanium dioxide: The maximum workplace exposure limits are, where necessary, listed in section 8.  
Information about Titanium dioxide:  
Contains less than 1 % titanium dioxide particles with aerodynamic diameter  $\leq 10 \mu\text{m}$ .

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

In case of inhalation: Provide fresh air. Remove victim out of the danger area.  
If the casualty has difficulty breathing, call a doctor immediately.

Following skin contact: Change contaminated clothing. Remove residues with soap and water. Follow up by applying protective skin cream.  
Do not use solvents or thinners. In case of skin reactions, consult a physician.

After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. In case of troubles or persistent symptoms, consult an ophthalmologist.

After swallowing: Rinse mouth thoroughly with water. Do not induce vomiting.  
Keep victim calm. Immediately get medical attention.

#### 4.2 Most important symptoms and effects, both acute and delayed

In case of inhalation: May cause irritations.  
After contact with skin:  
Coating powders may cause local skin irritations, particularly in skin folds or when wearing tight-fitting clothes.  
After eye contact: May cause irritations.

#### 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

Suitable extinguishing media:  
Water spray jet, extinguishing powder, foam, carbon dioxide.

Extinguishing media which must not be used for safety reasons:  
Full water jet

#### 5.2 Special hazards arising from the substance or mixture

May form dangerous gases and vapours in case of fire..  
In case of fire may be liberated: Smoke, nitrogen oxides (NO<sub>x</sub>), carbon monoxide and carbon dioxide

#### 5.3 Advice for firefighters

Special protective equipment for firefighters:  
Wear self-contained breathing apparatus. Wear suitable protective clothing.

Additional information: Hazchem-Code: -  
Cool endangered containers with water jetspray.  
Do not allow fire water to penetrate into surface or ground water.



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### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes.  
Do not breathe dust. Provide adequate ventilation.  
Wear appropriate protective equipment.

#### 6.2 Environmental precautions

Do not allow to penetrate into soil, waterbodies or drains.

#### 6.3 Methods and material for containment and cleaning up

Avoid generation of dust. Knock down dust with water spray jet.  
Take up mechanically, placing in appropriate containers for disposal.

Additional information: In case of dust formation: Remove all sources of ignition. (Danger of dust explosion.)  
Knock down dust with water spray jet.

#### 6.4 Reference to other sections

Refer additionally to section 8 and 13.

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed.  
Avoid generation of dust. Do not breathe dust.  
Wear appropriate protective equipment.

Precautions against fire and explosion:

Keep away from sources of ignition - No smoking. Danger of dust explosion.  
Take precautionary measures against static discharges. Ground/bond container and receiving equipment.

#### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Electrical equipment must be explosion protected according to standards.  
Store container tightly closed in a dry and cool place.  
Protect against heat /sun rays. Protect from frost.

Hints on joint storage: Keep away from food, drink and animal feedingstuffs.

#### 7.3 Specific end use(s)

No information available.



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### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
	PULVERLACK CEWEPOX 21	Great Britain: WEL-TWA	10 mg/m <sup>3</sup> (Dust limit value, inhalable fraction)
		Great Britain: WEL-TWA	4 mg/m <sup>3</sup> (Dust limit value, respirable fraction)
		Ireland: 8 hours	10 mg/m <sup>3</sup> (Dust limit value, inhalable fraction)
		Ireland: 8 hours	4 mg/m <sup>3</sup> (Dust limit value, respirable fraction)
13463- 67-7	Titanium dioxide	Great Britain: WEL-TWA	10 mg/m <sup>3</sup> (inhalable fraction)
		Great Britain: WEL-TWA	4 mg/m <sup>3</sup> (respirable fraction)
		Ireland: 8 hours	10 mg/m <sup>3</sup> (inhalable fraction)
		Ireland: 8 hours	4 mg/m <sup>3</sup> (respirable fraction)

#### 8.2 Exposure controls

Provide good ventilation and/or an exhaust system in the work area.

#### Personal protection equipment

##### Occupational exposure controls

Respiratory protection: Respiratory protection is required for not sufficiently ventilated working places and during the spraying processing.  
In case of dust formation: Dust mask/Particulates filter P2 according to EN 143.

Hand protection: Protective gloves according to EN 374.  
Glove material: Nitrile rubber.  
Breakthrough time: > 480 min.  
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection: Tightly sealed goggles according to EN 166.

Body protection: Wear suitable protective clothing.

General protection and hygiene measures:  
Change contaminated clothing. Wash hands before breaks and after work.  
When using do not eat, drink or smoke.

##### Environmental exposure controls

Refer to "6.2 Environmental precautions".

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

Appearance: Form: Solid, powder  
Colour: Product-specific

Odour: Odourless

Odour threshold: No data available

pH: No data available

Melting point/freezing point: > 50 °C (Kofler)

Initial boiling point and boiling range: No data available



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Flash point/flash point range:	No data available
Evaporation rate:	No data available
Flammability:	No data available
Explosion limits:	LEL (Lower Explosion Limit): (bridging principle) 60 g/m <sup>3</sup> (EN 14034-3:2006+A1:2011)
Vapour pressure:	No data available
Vapour density:	No data available
Density:	at 23 °C: approx. 1.20 - 1.80 g/cm <sup>3</sup> (DIN EN ISO 8130-2)
Solubility:	No data available
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	Not self-igniting.
Decomposition temperature:	No data available
Viscosity, kinematic:	No data available
Explosive properties:	Product is not explosive. Dust may form explosive mixtures with air.
Oxidizing characteristics:	No data available

### 9.2 Other information

Ignition temperature:	dust/air mixture: 450 - 600 °C (EN 50281-2-1)
Bulk density:	at 23 °C: 400 - 1000 kg/m <sup>3</sup>
Solid content:	100 %
Additional information:	Minimum ignition energy: 5-20 mJ

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Explosive dust-air mixtures may form.

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

No dangerous reactions are known.

### 10.4 Conditions to avoid

Keep away from heat. Avoid dust formation.

### 10.5 Incompatible materials

Strong oxidizing agents.

### 10.6 Hazardous decomposition products

No decomposition when used properly.

Thermal decomposition: No data available



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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Toxicological effects: Acute toxicity (oral): Lack of data.  
Acute toxicity (dermal): Lack of data.  
Acute toxicity (inhalative): Lack of data.  
Skin corrosion/irritation: Lack of data.  
Serious eye damage/irritation: Lack of data.  
Sensitisation to the respiratory tract: Lack of data.  
Skin sensitisation: Lack of data.  
Germ cell mutagenicity/Genotoxicity: Lack of data.  
Carcinogenicity: Lack of data.  
Reproductive toxicity: Lack of data.  
Effects on or via lactation: Lack of data.  
Specific target organ toxicity (single exposure): Lack of data.  
Specific target organ toxicity (repeated exposure): Lack of data.  
Aspiration hazard: Lack of data.

Other information: Misuse may cause damage to health and environment.

### Symptoms

In case of inhalation: May cause irritations.  
After contact with skin:  
Coating powders may cause local skin irritations, particularly in skin folds or when wearing tight-fitting clothes.  
After eye contact: May cause irritations.

## SECTION 12: Ecological information

### 12.1 Toxicity

Further details: No data available

### 12.2 Persistence and degradability

Further details: No data available

### 12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:  
No data available

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

No data available

### 12.6 Other adverse effects

General information: Do not allow to penetrate into soil, waterbodies or drains.



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### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

##### Product

Recommendation: With due observance of the regulations laid down by the local authorities, this must be brought to a suitable incineration plant/waste disposal site.

##### Package

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

### SECTION 14: Transport information

#### 14.1 UN number

ADR/RID, IMDG, IATA-DGR:  
not applicable

#### 14.2 UN proper shipping name

ADR/RID, IMDG, IATA-DGR:  
Not restricted

#### 14.3 Transport hazard class(es)

ADR/RID, IMDG, IATA-DGR:  
not applicable

#### 14.4 Packing group

ADR/RID, IMDG, IATA-DGR:  
not applicable

#### 14.5 Environmental hazards

Marine pollutant: no

#### 14.6 Special precautions for user

No dangerous good in sense of these transport regulations.

#### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

No data available

### SECTION 15: Regulatory information

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

##### National regulations - Great Britain

Hazchem-Code: -  
No data available

##### National regulations - EC member states

Further regulations, limitations and legal requirements:  
No data available

#### 15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment is not required.



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### SECTION 16: Other information

#### Further information

Abbreviations and acronyms:

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road  
AS/NZS: Australian Standards/New Zealand Standards  
CAS: Chemical Abstracts Service  
CFR: Code of Federal Regulations  
CLP: Classification, Labelling and Packaging  
DMEL: Derived minimal effect level  
DNEL: Derived no-effect level  
EC: European Community  
EN: European Standard  
EQ: Excepted quantities  
EU: European Union  
IATA: International Air Transport Association  
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations  
IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
IMDG Code: International Maritime Dangerous Goods Code  
LEL: Lower Explosion Limit  
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships  
OSHA: Occupational Safety and Health Administration  
PBT: Persistent, bioaccumulative and toxic  
PNEC: Predicted no-effect concentration  
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals  
RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail  
TRGS: Technical Rules for Hazardous Substances  
vPvB: Very persistent and very bioaccumulative

Reason of change: Changes in section 10.6: General revision  
Date of first version: 29/3/2012

#### Department issuing data sheet

Contact person: see section 1: Department responsible for information

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.

