



# SAFETY DATA SHEET

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

Revision date: 15/9/2022  
Version: 3.1  
Language: en-GB,IE  
Date of print: 12/10/2022

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Material number 42

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

#### 1.1 Product identifier

Trade name: PULVERLACK CEWEPUR 42

#### 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

In case of fire may be liberated: isocyanate vapours.

When using the product, all necessary regulations/provisions relating to isocyanates should be observed!

Danger of dust explosion.

Results of PBT and vPvB assessment:  
No data available



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### SECTION 3: Composition/information on ingredients

3.1 Substances: not applicable

#### 3.2 Mixtures

Chemical characterisation: Powder coating, binder base: polyurethane

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. Remove contact lenses, if present and easy to do. Continue rinsing. 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..

Furthermore, there may develop: Smoke, isocyanate vapours, nitrogen oxides (NO<sub>x</sub>), carbon monoxide and carbon dioxide

#### 5.3 Advice for firefighters

Special protective equipment for firefighters:

Wear self-contained positive pressure breathing apparatus and full firefighting 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. Avoid contact with skin and eyes.

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.  
Do not store with strong oxidizing agents.

#### 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 CEWEPUR 42	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. Avoid contact with skin and eyes.

##### 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: Physical state at 20 °C and 101.3 kPa: solid  
Form: Powder  
Colour: Product-specific

Odour: Odourless  
Odour threshold: No data available

pH: Not applicable  
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:	Not applicable
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

Protect against heat /sun rays. Protect from frost.

### 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: 12/2/2018

#### 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.

