



SAFETY DATA SHEET

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

Revision date: 31/8/2021
Version: 7.0
Language: en-GB,IE
Date of print: 23/9/2021

PULVERLACK CEWEPUR TYP 41

Material number 41

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

1.1 Product identifier

Trade name: PULVERLACK CEWEPUR TYP 41

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. 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, isocyanate vapours, nitrogen oxides (NO_x), 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
13463-67-7	PULVERLACK CEWEPUR TYP 41	Great Britain: WEL-TWA	10 mg/m ³ (Dust limit value, inhalable fraction)
		Great Britain: WEL-TWA	4 mg/m ³ (Dust limit value, respirable fraction)
		Ireland: 8 hours	10 mg/m ³ (Dust limit value, inhalable fraction)
		Ireland: 8 hours	4 mg/m ³ (Dust limit value, respirable fraction)
	Titanium dioxide	Great Britain: WEL-TWA	10 mg/m ³ (inhalable fraction)
		Great Britain: WEL-TWA	4 mg/m ³ (respirable fraction)
		Ireland: 8 hours	10 mg/m ³ (inhalable fraction)
		Ireland: 8 hours	4 mg/m ³ (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 ³ (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 ³ (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 ³
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

In case of fire may be liberated: Smoke, isocyanate vapours, nitrogen oxides (NO_x), Carbon monoxide and carbon dioxide.

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
EU: European Union
IATA: International Air Transport Association
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
vPvB: Very persistent and very bioaccumulative

Reason of change: Changes in section 2: Labelling
Changes in section 3: Composition/information on ingredients
Date of first version: 31/5/2012

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.

