



SAFETY DATA SHEET

According to Regulations (EC) No 1907/2006 & (EC) No 1272/2008

SDS No. C0906

Effective Date: 02/08/2021

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

1.1 Product identifier

Trade names CCEWOOL® POLYCRYSTALLINE WOOL FIBER
Chemical Name Polycrystalline wools(PCW)

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

Relevant identified uses For industrial high temperature insulating applications
Uses advised against No additional information available

1.3 Details of the supplier of the safety data sheet

DOUBLE EGRET THERMAL INSULATION CO.,LTD
Minying Industrial Park Development Zones Zibo, Shandong, 255000
Tel: 0086 533 7986 860

1.4 Emergency telephone number

Tel: 0086 533 7986 860
Email: info@ccewool.com
Language: English; Opening hours: available during office hours

2. Hazards identification

2.1 Classification of the substance/ mixture

Not classified as hazardous Classification according to Regulation (EC) No 1272/2008 [CLP]

2.2 Labelling Elements

Not applicable Labelling according to Regulation (EC) No 1272/2008 [CLP]

2.3 Other hazards

Other hazards which do not result in classification may cause mild mechanical irritation to skin, eyes and upper respiratory system.

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII.

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII.

3. Composition/information on ingredients

3.1 Substances

Name	% by weight	Product identifier	Hazard Classification according to Regulation (EC) No 1272/2008 [CLP]
Polycrystalline wools(PCW)	80-99	CAS No. 675106-31-7 EC No. 614-074-2	Not classified as hazardous

3.2 Mixtures

No applicable

4. First aid measures

4.1 Description of first aid measures

Skin

Handling of this material may generate mild mechanical temporary skin irritation. If this occurs, rinse affected areas with water and wash gently. Do not rub or scratch exposed skin.

Eyes

In case of eye contact flush abundantly with water; have eye bath available. Do not rub eyes.

Nose and Throat

If these become irritated move to a dust free area, drink water and blow nose. If symptoms persist, seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed

No symptoms or effects expected either acute or delayed

4.3 Indication of immediate medical attention and special treatment needed

Treat symptomatically

5. Firefighting measures

5.1 Extinguishing media

Use extinguishing agent suitable for surrounding combustible materials

5.2 Special hazards arising from the substance or mixture

No additional information available

5.3 Advice for firefighters

Packaging and surrounding materials may be combustible

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Where abnormally high dust concentrations occur, provide the workers with appropriate protective equipment as detailed in section 8. Restore the situation to normal as quickly as possible.

6.2 Environmental precautions

Prevent entry to sewers and public waters. Avoid sub-soil penetration.

6.3 Methods and materials for containment and clean up

Mechanically recover the product. Minimize generation of dust. High efficiency particulate air filter.

6.4 Reference to other sections

For further information, please refer to sections 7 and 8.

7. Handling and storage

7.1 Precautions for safe handling

Handle fiber carefully to minimize airborne dust. Limit use of power tools unless in conjunction with local exhaust ventilation. Use hand tools whenever possible.

7.2 Conditions for safe storage, including any incompatibilities

Product must only be kept in the original packaging. Store tightly closed in a dry and cool place.

7.3 Specific end use

The main application of these products is as thermal insulation.

8. Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limit	TWA 8 hr f/ml	TWA 8 hr mg/m ³	Notes
United Kingdom	2	5(total dust)	Machine-made mineral fibres: EH40

8.2 Exposure controls

Hand protection: Protective gloves

Eye protection: Safety glasses with side shields

Skin and body protection: Wear suitable protective clothing

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment.

If dust are formed : Short term exposure. (FFP2)

Other information: Wash contaminated clothes.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Solid
Appearance	Fibres
Colour	White
Odour	Odourless
Odour threshold	No data available
pH	Not applicable
Relative evaporation rate (butylacetate=1)	No data available
Melting point	> 1800 °C
Freezing point	No data available
Boiling point	Not applicable
Flash point	Not applicable
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Flammability (solid, gas)	No data available
Vapour pressure	Not applicable
Relative vapour density at 20 °C	No data available
Relative density	No data available
Density	2-3.5g/cm ³
Solubility	< 1 mg/l
Log Pow	No data available
Log Kow	Not applicable
Viscosity, kinematic	Not applicable
Viscosity, dynamic	Not applicable
Explosive properties	No data available
Oxidising properties	No data available
Explosive limits	No data available

9.2 Other information

No additional information available

10. Stability and reactivity

10.1 Reactivity	Stable under normal conditions of use.
10.2 Chemical stability	The product is inorganic, stable and inert.
10.3 Possibility of hazardous reactions	No dangerous reactions known.
10.4 Conditions to avoid	No additional information available.

10.5 Incompatible materials None

10.6 Hazardous decomposition products None

11. Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity	Not classified
Skin corrosion/irritation	Not classified
	pH: Not applicable
Serious eye damage/irritation	Not classified
	pH: Not applicable
Respiratory or skin sensitisation	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
STOT-single exposure	Not classified
STOT-repeated exposure	Not classified
Aspiration hazard	Not classified (Not relevant)

Other information

Lifetime rat inhalation studies in the rat on PCW fibres at the maximum levels achievable have shown no evidence of lung cancer, lung fibrosis or any other adverse effect, apart from a minimal pulmonary response typical of that of a 'low toxicity dust'. Also, a lifetime feeding study in rats has produced no evidence of any adverse effects at levels up to 2.5 % in the diet. Intraperitoneal, intratracheal and intrapleural studies in rats, together with two in vitro tests, all showed negative results whereas asbestos and crystalline silica which were used as positive controls (where relevant) produced positive responses. The results of these extensive testing programmes indicate that PCW materials lack one or more of the fundamental characteristics necessary for mesothelioma induction, as well as not possessing fibrogenic potential.

12. Ecological information

12.1 Toxicity

These products are inert materials that remain stable overtime.

No adverse effects of this material on the environment are anticipated.

12.2 Persistence and degradability

No additional information available

12.3 Bioaccumulative potential

Polycrystalline wools (PCW) (675106-31-7)	
Log Kow	Not applicable
Bioaccumulative	Bioaccumulation unlikely

12.4 Mobility in soil

No additional information available

12.5 Results of PBT and vPvB assessment

This substance is not considered to be persistent, bioaccumulating nor toxic (PBT).

This substance is not considered to be very persistent and very bioaccumulative (vPvB).

12.6. Endocrine disrupting properties

No additional information available

12.7 Other adverse effects

No additional information available

13. Disposal considerations

13.1 Waste treatment methods

Waste from these materials may be generally disposed off at a landfill, which has been licensed for this purpose. Unless wetted, such a waste is normally dusty and so should be properly sealed in containers for disposal. At some authorized disposal sites, dusty waste may be treated differently in order to ensure they are dealt with promptly to avoid them being windblown. Check for any national and/or regional regulations, which may apply.

14. Transport information

14.1 UN number

Not applicable

14.2 UN proper shipping name

Not applicable

14.3 Transport hazard class(es)

Not applicable

14.4 Packing group

Not applicable

14.5 Environmental hazards

Not applicable

14.6 Special precautions for user

Not applicable

14.7 Maritime transport in bulk according to IMO instruments

Not applicable

15. Regulatory information

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

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Polycrystalline wools (PCW) is not on the REACH Candidate List

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

A chemical safety assessment has been carried out

16. Other information

Indication of changes: General revision

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
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DNEL	Derived-No Effect Level
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
PBT	Persistent Bioaccumulative Toxic
vPvB	Very Persistent and Very Bioaccumulative

DISCLAIMER

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