

## SAFETY DATA SHEET

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

SDS No. DE002

Effective Date: 05/08/2022

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

#### 1.1 Product identifier

Trade names CCEWOOL® LOW BIOPERSISTENT FIBER  
Chemical Name AES wool (synthetic fibres, alkaline earth silicate)  
EC No 650-016-00-2  
CAS No 436083-99-7

#### 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

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

#### 2.2 Labelling Elements

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

#### 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]
AES wool (synthetic fibres, alkaline earth silicate)	100	CAS No. 436083-99-7 EC No. 650-016-00-2	Not classified as hazardous

#### 3.2 Mixtures

No applicable

### 4. First aid measures

#### 4.1 Description of first aid measures

First-aid measures after inhalation

Move to fresh air. If you feel unwell, seek medical advice.

First-aid measures after skin contact

Gently wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. Get medical advice if skin irritation persists.

First-aid measures after eye contact

Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion

Rinse mouth. Drink plenty of water. Do NOT induce vomiting. Obtain emergency medical attention.

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

Symptoms/effects after skin contact : mechanical irritation.

Symptoms/effects after eye contact : mechanical irritation.

#### 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

#### 6.1.1. For non-emergency personnel

Protective equipment : Concerning personal protective equipment to use, see section 8.

Emergency procedures : Prohibit unauthorized persons.

#### 6.1.2. For emergency responders

Protective equipment : Ensure adequate ventilation. Concerning personal protective equipment to use, see section 8.

Emergency procedures : Manipulations are to be done only by qualified and authorised persons.

### 6.2 Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

### 6.3 Methods and materials for containment and clean up

#### Methods for cleaning up

Mechanically recover the product. Minimise generation of dust. Dust can be vacuumed with a vacuum cleaner containing a HEPA (High Efficiency Particulate Air) filter.

#### Other information

Disposal must be done according to official regulations.

### 6.4 Reference to other sections

See section 7. See Heading 8. See Heading 13.

## 7. Handling and storage

### 7.1 Precautions for safe handling

#### Precautions for safe handling

Avoid contact with skin and eyes. Use personal protective equipment as required. Obtain special instructions before use. Do not eat, drink or smoke when using this product. Clean contaminated areas thoroughly. Ensure good ventilation of the work station.

#### Hygiene measures

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

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

#### Storage conditions

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

#### Information about storage in one common storage facility

Keep away from food, drink and animal feeding stuffs.

### 7.3 Specific end use

The main application is thermal insulation. See Heading 8. Exposure scenarios.

## 8. Exposure controls/personal protection

### 8.1 Control parameters

AES wool (synthetic fibres, alkaline earth silicate)	
EU - Indicative Occupational Exposure Limit (IOEL)	
	Observe general threshold limit for dust
United Kingdom - Occupational Exposure Limits	
Remark (WEL)	2.0 f/ml and 5mg/m <sup>3</sup> (HSE-EH40-Workplace Exposure Limit)

### 8.2 Exposure controls

#### 8.2.1 Hand protection

Protective gloves

#### 8.2.2 Eye protection

Safety glasses with side shields

#### 8.2.3 Skin and body protection

Wear suitable protective clothing

#### 8.2.4 Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

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

#### 8.2.5 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	1350 °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 <sup>3</sup>
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.



#### 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 treatment methods : Disposal must be done according to official regulations.

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

European List of Waste (LoW) code : 10 11 03 – waste glass – based fibrous materials

### **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

AES wool (synthetic fibres, alkaline earth silicate) is not on the REACH Candidate List

Biowool is not subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Biowool is not subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

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

SDS EU format according to COMMISSION REGULATION (EU) 2020/878

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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