



## Safety Data Sheet

According To Regulation (EC) No. 1907/2006 (REACH) With Its Amendment Regulation (EU) 2015/830

### ECU BUILD HEAT INSULATION PLASTER

25.08.2025

## 1- IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY/UNDERTAKING

### 1.1- Substance/Mixture Identifier:

**Product Name** ECU BUILD HEAT INSULATION PLASTER

### 1.2- Relevant identified uses of the substance advised against:

**Identified uses** Cement-based plaster that provides thermal insulation for interior, exterior and floor screed in buildings.

**Used advised against** No data available

### 1.3- Supplier Details for the Safety Data Sheet:

**Company:** FIXPER Yalitim and Chemical Construction Materials Trade and Industry Ltd.

**Address:** Velimeşe Mah. Yeni Bahar Sk. No: 24 Ergene/Tekirdağ

**Phone:** 097433262649 097440098004

**Email:** info@ecobuilding.online www.ecobuilding.online

### 1.4- Emergency Phone Number:

097433262649 097440098004

## 2- HAZARDS IDENTIFICATION

### 2.1- Classification of the substance or mixture:

Causes skin irritation, Category 2, H315

Skin Sensitizer, Category 1, H317

Serious Eye Damage / Eye Irritation, Category 1, H318

Specific Target Organ Toxicity, Single Exposure, Category 1, H335

### 2.2- Label elements (according to EC 1272/2008):

#### GHS Pictograms



GHS05



GHS07



GHS08

**Signal word** Danger

**Contains** Cement, Calcium Formiate

#### Hazard statements

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

#### Precautionary statements

##### General



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P102 Keep out of reach of children.

#### Prevention

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

#### Response

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor/physician.

P314 Get medical advice/attention if you feel unwell.

P321 Specific treatment (see ... on this label).

P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.

P362 Take off contaminated clothing and wash before reuse.

#### Storage

P405 Store locked up.

#### Disposal

P501 Dispose of contents/container to a hazardous or special waste collection point in accordance with local, regional, national and / or international regulations

### 2.3- Other hazards

This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII.

## 3- COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1- Substance Not applicable

### 3.2- Mixture Components:

Chemical Name	CAS No.	EC No.	%	Classification
Perlite	130885-09-5	603-442-8	30	Not Classified
Cement	65997-15-1	266-043-4	20	Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Dam. 1, H318 STOT SE 3, H335
Fine sand	14808-60-7	238-878-4	10	Not Classified
Pumice	1332-09-8	603-719-3	10	Not Classified
Dlp 212	-	-	3	Not Classified
Calcium Formiate	544-17-2	208-863-7	3	Eye Dam. 1, H318
Dmk	9049-76-7	-	2	Not Classified



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Chemical Name	CAS No.	EC No.	%	Classification
Starch ether	-	927-935-5	1	Not Classified
Zinc distearate	557-05-1	209-151-9	1	Not Classified

## 4- FIRST AID MEASURES

### 4.1- Description of first aid measures

General	Take off contaminated clothing and wash before reuse.
Inhalation	Do not breathe dust. Remove person to fresh air and keep at rest in a position comfortable for breathing. If cough and other symptoms increase, seek medical attention.
Skin contact	Remove contaminated clothing and wash before reuse. Wash with cold water and neutral pH soap or a mild detergent. In case of prolonged exposure to thermal insulation board plaster, seek medical treatment. If skin irritation occurs: Get medical advice/attention.
Eye contact	Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes with eyelids open to remove all particles. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion	Do not induce vomiting. If conscious, make exposed person drink plenty of water and call a doctor immediately. If symptoms persist, call a doctor.

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

Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. May cause respiratory irritation.

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

Treat symptomatically.

## 5- FIRE FIGHTING MEASURES

### 5.1- Extinguishing Media

Fixper thermal insulation plaster is not flammable.

#### Suitable extinguishing media

Use fire-extinguishing media appropriate for surrounding materials.

#### Unsuitable extinguishing media

No restrictions known.

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

Its decomposition can produce toxic fumes of silicon dioxide (SiO<sub>2</sub>), metal oxides. May emit toxic and corrosive fumes.

### 5.3- Advice for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Plaster poses no fire-related hazards.

### 5.4- Other information

The water used to extinguish the fire should not enter the drainage systems, soil or water.



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## 6- ACCIDENTAL RELEASE MEASURES

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

Provide adequate ventilation. Avoid actions that generate air dust. Avoid inhalation of dust and contact with skin and eyes. Wear appropriate protective equipment and clothing during clean-up. Local authorities should be advised if significant spillages cannot be contained. Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.

### 6.2- Environmental precautions

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Do not wash plaster down sewage and drainage systems or into bodies of water (e.g. streams).

### 6.3- Methods and materials for containment and cleaning up

Ventilate spill location. Collect the spills and dispose of them in a suitable disposal container without generating dust. Sweep the material with an absorbent or sweep up to a suitable disposal container. Use suitable respiratory equipment and appropriate personal protective equipment.

Avoid dust formation. Collect powder using special dust vacuum cleaner with particle filter or carefully sweep into closed container. Prevent entry into waterways, sewer, basements or confined areas.

### 6.4- References to other sections

For information on safe handling see section 7, for information on personal protection equipment see section 8, for disposal-related information see section 13.

## 7- HANDLING AND STORAGE

### 7.1- Precautions for safe handling

No special measures are required when used properly. Provide good ventilation in the workplace. Avoid dust formation. Avoid inhalation of dust and contact with skin and eyes. Bags of thermal insulation plaster are heavy (25 kg each), so they should be carried carefully. During lifting and use, it may cause pain or aching in the back, arms, legs, and vertebrae. Remove contaminated clothing and wash before using again. Do not eat, drink or smoke when using this product. Do not get in contact with food, drinks or animal feed. Use Personal Protective Equipment recommended in section 8 of the SDS. Wash thoroughly after handling. Observe good industrial hygiene practices.

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

Store in a well-ventilated, dry and cool places. Keep containers tightly closed. Protect containers from physical damage and keep them closed and upright. Keep it in its original package. Make sure that the packing cover is tightly closed. Comply with local regulations.

**INCOMPATIBILITY IN STORAGE** Avoid strong acids, acid chlorides, acid anhydrides and chloroformates. Avoid contact with copper, aluminum and their alloys.

### 7.3- Specific end use(s) The identified uses for this product are detailed in Section 1.2.

## 8- EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1- Control parameters



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	EC	CAS	Type / Country	TWA 8 mg/m <sup>3</sup>	TWA 8 ppm	STEL 15 mg/m <sup>3</sup>	STEL 15 ppm	
Cement	266-043-4	65997-15-1	TLV (USA)	10	-	15	-	ACGIH, OSHA
Cement	266-043-4	65997-15-1	TLV (USA)	10	-	5	-	ACGIH, OSHA

### 8.2- Exposure controls

#### General protection and hygiene measures:

As long as the thermal insulation plaster is dry, it is not harmful. In contact with moisture (eg eyes, skin etc.) or when concrete is mixed with water to make a mortar, it becomes highly corrosive and can cause severe (eg 3rd degree) burns to eyes and skin. Breathing of heat insulation plaster can irritate the upper respiratory system. Thermal insulation plaster powder can cause inflammation on the outer surfaces of the tissues inside the nose and in the cornea. May cause allergic dermatitis in people with high sensitivity. Ensure that there is an eye and/or body shower near the work area.

#### Individual protective measures, such as personal protective equipment: Respiratory protection:

In case of insufficient ventilation, respiratory protection in accordance with proper EN standards should be used.

#### Skin protection

Prevention is required to prevent potentially serious skin damage. Avoid contact with uncured thermal insulation plaster. If it comes into contact, wash immediately with soap and water. Wear impervious clothing and gloves to avoid skin contact where there is likely to be prolonged exposure with uncured thermal insulation plaster.

Wear sturdy waterproof boots to eliminate foot and ankle exposure.

Do not rely on barrier creams: barrier creams should not be used instead of gloves.



Wash the areas that come into contact with the thermal insulation plaster periodically or with a pH neutral soap. At the end of the job, wash it again. If irritation occurs, wash immediately and seek treatment. If the garment becomes saturated with wet mortar, it should be replaced with clean, dry clothing.

Handle in accordance with good industrial hygiene and safety practices.



Wash your hands before breaks and at the end of the day.

Wash your hands thoroughly before eating and drinking and after using the product.

#### Protection of hands:

Use protective gloves.



It is sufficient to consider puncture resistance, permeability rates and deterioration in selection of gloves. Selected protective gloves must comply with EN 374 standards.

#### Glove material:

Gloves made of nitrile-butadiene rubber (NBR).



#### Eye protection:

Use safety goggles or face masks that have been tested and approved in accordance with standards such as EN 166 (EU). Contact lenses should not be worn. Use face shields where there is a high risk of splashing and where there is a risk of direct contact with vapors.



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#### Body Protection:

Choose appropriate body protection according to the type, concentration and amount of dangerous substance, and workplace conditions. Use waterproof clothing or a chemical suit in accordance with EN 14605.



**Hygiene measures** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

#### Environmental Exposure Controls

The provisions of existing legislation for the protection of the environment must be fully implemented.

## 9- PHYSICAL AND CHEMICAL PROPERTIES

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

Physical state	: Solid, dust
Colour	: White
Odour	: Odourless
Odour threshold	: Not applicable
pH Value, @ 20°C	: No data available
Melting point	: Not applicable
Boiling point	: Not applicable
Evaporation rate	: Not applicable
Flammability (solid, gas)	: Not applicable
Flash point (°C)	: Not applicable
Upper/lower flammability or explosive limits	: Not applicable
Vapor pressure	: Not applicable
Vapour density	: Not applicable
Density, gr/cm <sup>3</sup> @ 20 °C	: 2,20
Relative density	: No data available
Solubility in water	: Not soluble.
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: Not applicable
Decomposition temperature	: No data available
Viscosity, mPa's @ 20°C	: No data available
Explosive properties	: No explosive properties.
Oxidising property	: No oxidizing property.

### 9.2- Other information:

No data available



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## 10- STABILITY AND REACTIVITY

### 10.1- Reactivity

The product is stable and non-reactive under normal conditions of use, storage and transport.

### 10.2- Chemical stability

Stable under recommended handling and storage conditions.

### 10.3- Possibility of hazardous reactions

No harmful reactions are to be expected when the product is handled and stored properly.

### 10.4- Conditions to avoid

Avoid dust formation. Avoid contact with moisture.

### 10.5- Incompatible materials

Thermal insulation plaster is alkaline. Therefore, it is not compatible with acids, ammonium salts and phosphorus.

### 10.6- Hazardous decomposition products

Wet mortar will react with aluminum powder, alkali and other alkali metals, resulting in hydrogen gas release. Adding water produces calcium hydroxide (caustic).

## 11- TOXICOLOGICAL INFORMATION

### 11.1- Information on toxicological effects

#### Acute toxicity

Based on available data, the classification criteria are not met.

#### Skin corrosion/irritation

Based on available data, the classification criteria are not met.

Dust may irritate skin. Skin irritation occurs on contact with moist or wet skin.

#### Serious eye damage/irritation

Causes severe eye irritation/damageBased on available data, the classification criteria are not met.

#### Respiratory or Skin Sensitization

Based on available data, the classification criteria are not met.

#### Germ cell mutagenicity

Based on available data, the classification criteria are not met.

**Carcinogenicity** Based on available data, the classification criteria are not met.

**Reproductive toxicity** Based on available data, the classification criteria are not met.

#### Specific Target Organ Toxicity (Single Exposure)

Based on available data, the classification criteria are not met.

#### Specific Target Organ Toxicity (Repeated Exposure)

Based on available data, the classification criteria are not met.

#### Aspiration Hazard

Based on available data, the classification criteria are not met.



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## 12- ECOLOGICAL INFORMATION

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

### 12.1- Toxicity

No data available.

### 12.2- Persistence and degradability

No data available.

### 12.3- Bioaccumulative potential

No data available.

### 12.4- Mobility in soil

The product is insoluble in water and will sediment in water systems.

### 12.5- Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

### 12.6- Other adverse effects

No data available.

## 13- DISPOSAL CONSIDERATIONS

### 13.1- Waste treatment methods

#### Residual waste

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

#### Contaminated packaging

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

## 14- TRANSPORT INFORMATION

**Product is not classified as dangerous in the meaning of transport regulations (ADR/RID, ADN, IMDG and ICAO/IATA).**

### 14.1- UN number

Not regulated as dangerous goods.

### 14.2- UN proper shipping name

Not regulated as dangerous goods.

### 14.3- Transport hazard class(es)

Not regulated as dangerous goods.

### 14.4- Packing Group

Not regulated as dangerous goods.

### 14.5- Environmental hazard

Not regulated as dangerous goods.

### 14.6- Special precautions for user

None

### 14.7- Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No information available

## 15- REGULATORY INFORMATION

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

- Regulation (EC) No 1907/2006, (REACH),



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- Commission Regulation (EU) No 453/2010 amending Regulation (EC) No 1907/2006,
- Regulation (EC) No 1272/2008 (CLP),
- Commission Directive 2006/15/EC,
- Commission Directive 2000/39/EC.
- ADR - European Agreement Concerning the International Carriage of Dangerous Goods by Road

#### 15.2- Chemical safety assessment

A chemical safety assessment has not been performed for this product.

## 16- OTHER INFORMATION

#### Full text of any H-statements not written out in full under Sections 2 to 15

H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H335 May cause respiratory irritation.

#### List of abbreviations

ADR	European Agreement Concerning the Int. Carriage of Dangerous Goods by Road
CAS No	Chemical Abstract Service Index Number
CLP	Regulation of Classification, Labelling and Packaging of Chemicals
EC No	European Commission Number
IATA	International Air Transport Association
IMDG	International Maritime Code for Dangerous Goods
LD50	Dosage producing 50% mortality
NIOSH	National Institute for Occupational Safety and Health
PBT	Persistent, Bioaccumulative, Toxic
RID	International Rule for Transport of Dangerous Substances by Railway
vPvB	Very Persistent, Very Bioaccumulative

#### Training information

In addition to health, safety and environmental training programs for their workers, companies must ensure that workers read, understand and apply the requirements of this SDS.

#### Disclaimer

All information herein is believed to be correct based upon data obtained by the manufacturer and recognized sources but does not mean to be all inclusive and shall be used as a guide only. It is the purchaser's/user's responsibility to follow the instructions on Safety, Health and Environmental and operational rules and regulations. This document has been prepared by FIXPER Yalitim ve Yapı Kimyasalları San. ve Tic. Ltd. Şti. and subject to annual update in accordance with the recent available information.

#### By Kavi Danışmanlık

- Prepared by: Handan Kavi



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