

# ISOFRAX MODULES, BLANKETS, TEXTILES

According to regulation (EC) No. 1907/2006 (REACH)

## 1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

### 1.1 Product identifier

**Trade name** : Isofrax Modules, Isofrax Blankets, Isofrax Textiles

#### **Type of product:**

This product is an article under the REACH definition. As the Classification and labelling regulations (CLP) strictly applies to substances and mixtures it does not make provision for articles. However this product SDS and the defined labelling is provided voluntarily. As a duty of care to the user.

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

#### 1.2.1. Relevant identified uses

Use of the substance/mixture : Article  
For industrial use within high temperature applications.

#### 1.2.2. Uses advised against

No additional information available

### 1.3. Details of the supplier of the safety data sheet

No additional information available

### 1.4. Emergency telephone number

No additional information available

### 1.5 Identification of the company

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## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance/mixture

**Classification according to regulation (EC) No 1272/2008 (CLP)**

Not classified

### **Adverse physicochemical, human health and environmental effects**

No additional information available.

### 2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

# ISOFRAX MODULES, BLANKETS, TEXTILES

Extra phrases:

This product is an article and has not to be classified and labelled according to the current laws and regulations. A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis. Voluntary labelling will be added to product to advise as to safe handling and use.

## 2.3. Other hazards

Other hazards not contributing to the classification: .

May cause mechanical irritation to the skin, eyes and 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 OF INGREDIENTS

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Not applicable

### Comments:

#### Article

All products contain AES wool (synthetic fibres, alkaline earth silicate, CAS 436083-99-7). substance with national workplace exposure limit(s) Isofrax Modules, Isofrax Blankets, Isofrax Textiles are ready to use products in high temperature applications.

## 4. FIRST AID MEASURES

### 4.1. Description of first aid measures

First-aid measures after inhalation: Fibrous dust may be liberated when handling in use. If irritation to nose and throat, move to fresh air.

First-aid measures after skin contact: Gently wash with plenty of soap and water.

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: Ingestion unlikely. Drink plenty of water.

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

Symptoms/effects after inhalation: mechanical irritation.

Symptoms/effects after skin contact: mechanical irritation.

Symptoms/effects after eye contact: mechanical irritation.

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

Treat symptomatically

# ISOFRAX MODULES, BLANKETS, TEXTILES

## 5. FIRE FIGHTING MEASURES

### 5.1 Extinguishing media

Suitable extinguishing media: The product is not flammable. Use extinguishing media appropriate for surrounding fire. Foam. Dry powder. Carbon dioxide. Water spray.  
Unsuitable extinguishing media: Do not use a heavy water stream.

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

Fire hazard

### 5.3 Advice for firefighters

Firefighting instructions: Prevent fire-fighting water from entering environment.  
Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

## 6. ACCIDENTAL RELEASE MEASURES

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

#### 6.1.1 For non-emergency personnel

Protective equipment: Concerning personal 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: Ensure operative are trained to minimise exposures.

### 6.2 Environmental precautions

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

### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up: Mechanically recover the product. Minimize generation of dust. High efficiency particulate air filter (HEPA filter)

### 6.4 Reference to other sections

See heading 7, 8 and 13.

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

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

# ISOFRAX MODULES, BLANKETS, TEXTILES

Hygiene measures: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking 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.

Prohibitions on mixed storage: Keep away from food, drink and animal feeding stuff.

## 7.3 Specific use(s)

For professional users only. See Heading 8. Exposure scenarios.

## 8. EXPOSURE CONTROL / PERSONAL PROTECTION

### 8.1 Control parameters

AES wool (synthetic fibres, alkaline earth silicate) (436083-99-7) (436083-99-7)	
EU	Observe general threshold limit for dust
UK - Remark (WEL)	2,0 f/ml (HSE EH40 Workplace Exposure Limit)

### 8.2 Exposure controls

Hand protection:  
Leather protective gloves

Eye protection:  
Safety glasses with side shields as appropriate.

Skin and body protection:  
Wear suitable protective clothing. Do not take working clothes home

Respiratory protection:  
If dust are formed : Wear appropriate mask, (FFP3)



### Other information:

Do not eat, drink or smoke when using this product. Do not take working clothes home. Separate working clothes from town clothes. Launder separately

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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

Physical state : Solid  
Colour : White-Beige.

## ISOFRAX MODULES, BLANKETS, TEXTILES

Odour	:	Odourless.
Odour threshold	:	No data available
pH	:	Not applicable
Relative evaporation rate (butylacetate=1)	:	Not applicable
Melting point	:	1500 - 1550 °C
Fibres	:	
Freezing point	:	Not applicable
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	:	No data available
Relative vapour density at 20 °C:	:	No data available
Relative density	:	2.6 (Fibres)
Density	:	2.6 g/cm <sup>3</sup> (Fibres)
Solubility	:	Water: < 1 mg/l (Fibres)
Log Pow	:	No data available
Viscosity, kinematic	:	Not applicable
Viscosity, dynamic	:	Not applicable
Explosive properties	:	Product is not explosive.
Oxidising properties	:	Non oxidizing.
Explosive limits	:	Not applicable

### 9.2 Other information

Other properties	:	Length weighted geometric mean diameter of fibres contained in the product 1,9 – 6 µm
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## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

Stable under normal conditions of use.

### 10.2 Chemical stability

The product is stable at normal handling and storage conditions.

### 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

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### **Acute toxicity:**

Not classified (Based on available data, the classification criteria are not met)

#### **Skin corrosion/ irritation:**

Not classified (Based on available data, the classification criteria are not met)

#### **Serious eye damage/ irritation:**

Not classified (Based on available data, the classification criteria are not met)

#### **Respiratory or skin sensitisation:**

Not classified (Based on available data, the classification criteria are not met)

#### **Germ cell mutagenicity:**

Not classified (Based on available data, the classification criteria are not met)

#### **Carcinogenicity:**

Not classified (Based on available data, the classification criteria are not met)

#### **Reproductive toxicity:**

Not classified (Based on available data, the classification criteria are not met)

#### **Specific target organ toxicity (single exposure):**

Not classified (Based on available data, the classification criteria are not met)

#### **Specific target organ toxicity (repeated exposure):**

Not classified (Based on available data, the classification criteria are not met)

#### **Aspiration hazard:**

Not classified (Based on available data, the classification criteria are not met)

#### **Other information:**

##### **Irritant Properties**

When tested using approved methods (Directive 67/548/EC, Annex V, Method B4), fibres contained in this material give negative results. Man-made mineral fibres, can produce a mild irritation resulting in itching or rarely, in some sensitive individuals, in slight reddening. Unlike other irritant reactions this is not the result of allergy or chemical skin damage but is caused by a temporary mechanical effect.

##### **Other animal studies**

These materials have been designed to allow rapid clearance from lung tissue. And this low bio-persistence has been confirmed in many studies on AES using EU protocol ECB/TM/\*27 (rev.7).

# ISOFRAX MODULES, BLANKETS, TEXTILES

When inhaled, even at very high doses, they do not accumulate to any level capable of producing a serious adverse biological effect. In lifetime chronic studies there was no exposure-related effect more than would be seen with any "inert" dust.

Subchronic studies at the highest doses achievable produced, at worst, a transient mild inflammatory response. Fibres with the same ability to persist in tissue do not produce tumours when injected into the peritoneal cavity of rats.

## 12. ECOLOGICAL INFORMATION

### 12.1. Toxicity

Ecology - general:

The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Acute aquatic toxicity: Not classified

Chronic aquatic toxicity: Not classified

### 12.2 Persistence and degradability

Isofrax Modules, Isofrax Blankets, Isofrax Textiles	
Persistence and degradability	Not applicable.

### 12.3 Bioaccumulative potential

Isofrax Modules, Isofrax Blankets, Isofrax Textiles	
Bioaccumulative potential	Not applicable.

### 12.4 Mobility in soil

Isofrax Modules, Isofrax Blankets, Isofrax Textiles	
Ecology - soil	Not applicable.

### 12.5 Results of PBT and vPvB assessment

Isofrax Modules, Isofrax Blankets, Isofrax Textiles	
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	

### 12.6 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. European waste catalogue.

#### Sewage disposal recommendations:

Do not allow into drains or water courses.

#### Product/Packaging disposal recommendations:

Do not dispose of with domestic waste

## ISOFRAX MODULES, BLANKETS, TEXTILES

### 14. TRANSPORT INFORMATION

In accordance with ADR, RID, IATA, IMDG, ADN.

ADR	IMDG	IATA	AND	RID
<b>14.1 UN Number</b>				
Not regulated for transport				
<b>14.2 UN proper shipping name</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.3 Transport hazard class(es)</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.4 Packing group</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5 Environmental hazards</b>				
Dangerous for the environment: No	Dangerous for the environment: No No Marine pollutant: No	Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No
No supplementary information available.				

#### **14.6 Special precautions for user**

- Overland transport

Transport regulation (ADR): Not applicable

- Transport by sea

Transport regulations (IMDG): Not applicable

- Air transport

Transport regulations (IATA): Not applicable

- Inland waterway transport

Transport regulations (ADN): Not applicable

- Rail transport

Transport regulations (RID): Not applicable

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

Not applicable.

### 15. REGULATORY INFORMATION

#### **15.1 Safety, health and environment regulations/legislation specific for the substance or mixture**

##### **15.1.1 EU Regulations:**

Contains no REACH substances with Annex XVII restrictions



# ISOFRAX MODULES, BLANKETS, TEXTILES

Contains no REACH Annex XIV substances

## Other information, restriction and prohibition regulations:

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### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No 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, Authorization and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rai
PBT	Persistent Bio accumulative Toxic
vPvB	Very persistent and Very Bio accumulative

### Data source:

### Data sources:

ECHA (European Chemicals Agency).

### Other information:

Please refer to specific technical data sheet for more information. Please refer to the list of products considered to be articles.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product