

# INSULFRAX PAPER & FELTS

According to: (EC) No 1907/2006 and (EC) No 1272/2008

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

### 1.1. Product identifier

**Trade name** : Insulfrax Paper, Insulfrax Felts

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. Identification of the company

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## 2. HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

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

Not classified

Adverse physicochemical, human health and environmental effects

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.

### 2.2. Label elements

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

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.

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**INSULCON**

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Form: A1-051.3  
Effective: 03012022/ES  
Supersedes: 28032019/TH/ka  
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LD: 30042019 (2.02)

# INSULFRAX PAPER & FELTS

## 3. COMPOSITION / INFORMATION ON 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)

Insulfrax Paper and Insulfrax Felts are ready to use products in high temperature applications  
This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of REACH annex II

## 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

## 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.

# INSULFRAX PAPER & FELTS

## 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 the 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 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 : Ensure operatives 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. See Heading 8. See Heading 13.

## 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Precautions for safe handling: Obtain special instructions before use. Avoid contact with skin and eyes. Do not eat, drink or smoke when using this product. Clean contaminated areas thoroughly. Use personal protective equipment as required. 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.

# INSULFRAX PAPER & FELTS

## 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 stuffs.

## 7.3. Specific end use(s)

For professional users only. See Heading 8.

## 8. EXPOSURE CONTROL / PERSONAL PROTECTION

### 8.1. Control parameters

AES wool (synthetic fibres, alkaline earth silicate, CAS 436083-99-7) (436083-99-7)		
EU	Observe general threshold limit for dust.	
United Kingdom	Remark (WEL)	2.0 f/ml and 5 mg/m <sup>3</sup> (HSE - EH40 – Workplace Exposure Limit)

### 8.2. Exposure controls

Hand protection : Leather 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:

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  
Odour : odourless  
Odour threshold : No data available  
pH : Not applicable  
Relative evaporation rate : No data available Melting point: > 1300 °C  
(butylacetate=1)  
Freezing point : No data available  
Boiling point : Not applicable  
Flash point : Not applicable

## INSULFRAX PAPER & FELTS

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	:	2.6 (fibres)
Density	:	2.6 g/cm <sup>3</sup> (fibres)
Solubility	:	Water: < 1 mg/l (fibres)
Log Pow	:	No data available
Log Kow	:	Not applicable
Viscosity, kinematic	:	Not applicable
Viscosity, dynamic	:	Not applicable
Explosive properties	:	Product is not explosive
Oxidising properties	:	Non oxidizing
Explosive limits	:	No data available

### 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 (oral):	Not classified (Based on available data, the classification criteria are not met)
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## INSULFRAX PAPER & FELTS

Acute toxicity (dermal):	Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation):	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) pH: Not applicable
Serious eye damage/irritation:	Not classified (Based on available data, the classification criteria are not met) pH: Not applicable
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)
STOT-single exposure:	Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure:	Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	Not classified (Not relevant)

### 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 biopersistence has been confirmed in many studies on AES using EU protocol ECB/TM/27(rev 7). 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.

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

# INSULFRAX PAPER & FELTS

## Chronic aquatic toxicity:

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

## 12.2 Persistence and degradability

Persistence and degradability	Not applicable.
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## 12.3 Bioaccumulative potential

Bioaccumulative potential	Not applicable.
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## 12.4 Mobility in soil

Ecology - soil	Not applicable.
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## 12.5 Results of PBT and vPvB assessment

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: Dispose in a safe manner in accordance with local/national regulations.

## 14. TRANSPORT INFORMATION

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<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 Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No

No supplementary information available

## INSULFRAX PAPER & FELTS

### 14.6. Special precautions for user

- Overland transport  
Transport regulations (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 environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions Contains no substance on the REACH candidate list Contains no REACH Annex XIV substances  
Contains no substance 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.  
Substance(s) are not subject to Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC.

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

# INSULFRAX PAPER & FELTS

## 16. OTHER INFORMATION

### Indication of changes:

General revision.

### Abbreviations and acronyms:

AND	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 Rai
PBT	Persistent Bioaccumulative Toxic
vPvB	Very Persistent and Very Bioaccumulative

### Data sources:

ECHA (European Chemicals Agency).