



Version

3.0

## **Isopink**

**Extruded Polyethylene (XPE)**

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## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

Knauf Insulation Extruded Polyethylene Foam (XPE).

Product name: Isopink

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

Application: Insulation / building material.

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

Head Office Knauf Insulation  
Am Bahnhof  
97346 Iphofen  
Germany  
Tel:+32 (0) 1048 8460  
sds@knaufinsulation.com  
www.knaufinsulation.com

Country Contact: Italy  
Tel:+39 (0) 119 119 6214  
mariateresa.favola@knaufinsulation.com

### 1.4. Emergency telephone number

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

GHS/CLP CE N° 1272/2008 The product is not classified.

### 2.2. Label elements

None.

### 2.3. Other hazards

Other: Polyethylene melts at high temperature and molten droplets may cause skin burns.

Non hazardous in finished form. Residual quantities of process chemicals, polyethylene and blowing agents are insignificant. The product is organic and therefore combustible if exposed to intense heat or a fire.

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## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

GHS/CLP CE N° 1272/2008

<u>%:</u>	<u>CAS-No.:</u>	<u>EC No.:</u>	<u>REACH Reg. No:</u>	<u>Chemical name:</u>	<u>Hazard classification:</u>	<u>Notes:</u>
	9010-79-1	-	--	Polyethylene with colouring	-	(1), (2)

Notes: (1) Extruded Polyethylene Foam (XPE).  
(2) C.A.S: Chemical Abstract Service

Possible facing materials: Polyethylene film.

Extruded Polyethylene Foam (XPE) REACH Registration number: not applicable.

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

Inhalation: In the case of inhalation of combustion fumes; relax, remove from exposure into the fresh air and ask for medical advise. Dust particles from cutting are unlikely to be of inhalable dimensions unless power tools are used. If problems are experienced, remove to fresh air and drink water.

Skin contact: Skin burns caused by molten material have to be treated chemically. Seek medical attention. Do not attempt to remove any molten or solidified material from the skin.

Eye contact: If dust particles enter the eye, wash with water. If any irritation symptoms persist seek medical advice.

Ingestion: Drink plenty of water if accidentally ingested.

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

Symptoms/effects: Polyethylene melts at high temperature and molten droplets may cause skin burns.

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

If any adverse reaction or discomfort continues from any of the above exposures, seek professional medical advice.

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## **SECTION 5: FIREFIGHTING MEASURES**

### **5.1. Extinguishing media**

Extinguishing media: Water, foam, carbon dioxide (CO<sub>2</sub>), and dry powder.

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

Specific hazards: Those normally associated with combustion of organic hydrocarbons and should be considered toxic. Will include carbon monoxide, carbon dioxide and hydrogen bromide.

### **5.3. Advice for firefighters**

Protective equipment for fire-fighters: Dense smoke will be generated and suitable breathing apparatus should be worn when fighting fires.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

Personal precautions: The product is in solid form and poses no hazard.

### **6.2. Environmental precautions**

Environmental precautions: The product is in solid form and poses no hazard.

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

Methods for cleaning up: N/A.

### **6.4. Reference to other sections**

For waste disposal, see section 13.

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## SECTION 7: HANDLING AND STORAGE

### **7.1. Precautions for safe handling**

<u>Safe handling advice:</u>	No special precautions.
<u>Technical measures:</u>	Hand cutting tools should be used when possible. If using power tools, suitable dust extraction should be used and/or respiratory and eye protection.
<u>Technical precautions:</u>	When cutting, ensure adequate ventilation of workplace is available. Be aware of strong winds especially at working at heights.

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

<u>Technical measures for safe storage:</u>	Avoid heat, flames and other sources of ignition.
<u>Storage conditions:</u>	Do not store near to any sources of heat. Avoid prolonged exposure to sunlight.  Resistant to many chemicals but not to solvents. Care should be taken in choice of adhesives used.  Delivered on pallets, packed in polyethylene film or open.

### **7.3. Specific end use(s)**

Not relevant.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits: None at European level, refer to member state guidelines and legislation:

### **8.1. Control parameters**

Not relevant.

### **8.2. Exposure controls**

<u>Engineering measures:</u>	No specific requirements.
<u>Respiratory equipment:</u>	Wearing a disposable face mask type in accordance with EN 149 FFP1 or FFP2 is recommended to improve comfort.
<u>Hand protection:</u>	No special precautions but gloves may be worn for comfort.
<u>Eye protection:</u>	Goggles especially if cutting with power tools or working above shoulders. Eye protection according to EN 166 is advised.
<u>Skin protection:</u>	None.
<u>Hygiene measures:</u>	After contact, wash hands with cold water and soap.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

Appearance: Semi-rigid foam sheet.  
Form: Rolls.  
Colour: Orange.  
Odour: Odourless.  
pH: Not relevant.  
Melting point: 104 - 115°C  
Boiling point: Not relevant.  
Flash point: >360°C  
Flammability (solid, gas): Not relevant.  
Relative density: ≈ 30kg/m<sup>3</sup>  
Solubility: Insoluble in water and generally chemically inert.  
Soluble in organic solvents.  
Decomposition temperature: >300°C  
Explosive properties: Not relevant.

### 9.2. Other information

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## SECTION 10: STABILITY AND REACTIVITY

### **10.1. Reactivity**

Reactivity: None.

### **10.2. Chemical stability**

Stability: Stable under normal temperature conditions and recommended use.  
Resistant to many chemicals but not to solvents. Care should be taken in choice of adhesives used.

### **10.3. Possibility of hazardous reactions**

Hazardous Reactions: None in normal conditions of use.

### **10.4. Conditions to avoid**

Conditions/materials to avoid: Avoid heat. >80°C.

### **10.5. Incompatible materials**

Incompatible materials: None.

### **10.6. Hazardous decomposition products**

Hazardous decomposition products: Decomposition of foam above 104 °C produces fumes from molten material and smoke may produce toxic gases such as carbon monoxide, carbon dioxide, hydrogen bromide and traces of other degradation products. The duration of release is dependant upon the thickness of the foam, and the temperature applied.

## SECTION 11: TOXICOLOGICAL INFORMATION

### **11.1. Information on toxicological effects**

Toxicological data: Extruded polyethylene is non-toxic and not irritating to the skin or eyes.  
Dust can be irritating to eyes – please refer to section 7.1.

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## SECTION 12: ECOLOGICAL INFORMATION

### **12.1. Toxicity**

Ecotoxicity: Not expected to be toxic to aquatic organisms in its solid state.

### **12.2. Persistence and degradability**

Degradability: The product will surface degrade with prolonged exposure to sunlight. No significant biodegradation is expected.

### **12.3. Bioaccumulative potential**

Bioaccumulative potential: The product is not expected to bioaccumulate.

### **12.4. Mobility in soil**

Mobility: The product is inert.

### **12.5. Results of PBT and vPvB assessment**

PBT/vPvB: No data available.

### **12.6. Other adverse effects**

Other adverse effects: No data available.

Isopink: Global warming potential (GWP) : < 5.

## SECTION 13: DISPOSAL CONSIDERATIONS

### **13.1. Waste treatment methods**

Waste from residues: Dispose of in accordance with regulations and procedures in force in country of use or disposal.

Contaminated packaging: Dispose of in accordance with regulations and procedures in force in country of use or disposal.

EWC-code: 07.02.13, Non-hazardous substance.

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## **SECTION 14: TRANSPORT INFORMATION**

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

### **14.1. UN number**

Not classified.

UN-No: -

### **14.2. UN proper shipping name**

Not classified.

Proper Shipping Name: -

### **14.3. Transport hazard class(es)**

Not classified.

Class: -

### **14.4. Packing group**

Packing group: -

### **14.5. Environmental hazards**

Marine pollutant: -

Environmentally Hazardous substance: -

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

Special precautions: None known.

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

Transport in bulk: Not relevant.

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## SECTION 15: REGULATORY INFORMATION

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

The European Regulation on Chemicals No 1907/2006, Registration, Evaluation, Authorisation of Chemicals (REACH) enacted on June 1st 2007 requires the provision of Safety Data Sheet (SDS) for hazardous substances and mixtures / preparations.

Knauf Insulation extruded foam products (rolls), are defined as articles under REACH and therefore a Safety Data Sheet for these products is not a legal requirement.

In accordance with industry practice and voluntary commitments, Knauf Insulation has decided to continue to provide its customers with the appropriate information for the purpose of assuring safe handling and use of expanded polystyrene foam throughout the product life.

This material Safety Data Sheet / Product Data Sheet is in accordance with the EU directives 1907/2006, 1272/2008 and 453/2010.

### **15.2. Chemical Safety Assessment**

CSA status: Not relevant.

## SECTION 16: OTHER INFORMATION

If using adhesives with this product follow the adhesive manufacturer's instructions carefully.

Product Families : Isopink

Additional information: Change to Sections: 2.1, 3.2, 15.1

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The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.

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