



MATERIAL SAFETY DATA SHEET FOR FLEXICELL[®] XLPE



CROSSLINKED CLOSEDCELL
POLYOLEFIN THERMAL INSULATION FOAM

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MATERIAL SAFETY DATA SHEET

FOR FLEXICELL[®] XLPE

1. General Information

1.1 Product

FlexiCell[®] XLPE

1.2 Company

Hira Industries LLC

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1.3 Technical contact point

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2. Hazards Identification

Hazard designation

To man: none

To environment: insoluble in water

3. Product Composition

The physical composition of the product, being interlaced foam backed by synthetic rubber, provides no airborne dust or breathable fibers.

4. First Aid Measures

In case of smoke inhalation

Fresh air, artificial respiration (in critical cases).

In case of skin contact

Unnecessary

In case of eye contact

Unnecessary

5. Fire Fighting Measures

Suitable extinguishing media

Water spray, foam spray, dry chemical powder, CO₂.

Special exposure hazards arising from the preparation

Toxic fumes such as carbon dioxide, carbon monoxide, hydrogen chloride, sulphur dioxide and hydrogen cyanide may be emitted under flammable conditions.

Do not inhale gas from flame and ensure that

appropriate breathing apparatus is worn when coming into contact with burning material.

Special protective equipment for firefighters

Wear self-contained breathing apparatus.

Further information

Do not inhale combustion and/or explosion gases.

6. Accidental Release Measures

Not applicable.

7. Handling and Storage

Handling

Consider safe handling practices including weight restrictions for manual handling and safe storage to reduce trip hazards.

Further information on storage conditions

It is recommended to store the product away from direct sunlight, in a dry and well ventilated area at temperatures between 0 °C - 35 °C and humidity level between 50 - 70%. Keep away from acids and/or oxidizing agents.

8. Exposure Controls / Personal Protection

General health measures

No specific precautions required.

Respiratory protection

Unnecessary

Hand protection

Unnecessary

Eye protection

Unnecessary

9. Physical and Chemical Properties

Appearance

Solid foam tubes and sheets with optional self adhesive or adhesive tape.

Colour

Grey

Odour

Odourless

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Thermal decomposition

> 160 - 180 °C

Water solubility

In water: insoluble,
in organic solvents: insoluble, partly soluble, swelling
(depending on solvent type).

10. Stability and Reactivity

Conditions to avoid

Keep away from flames. Keep away from acids including nitric acid, hydrochloric acid, sulfuric acid and hydrofluoric acid.

Hazardous reaction

No dangerous reactions known.

Hazardous decomposition products

May release hazardous gas if ignited. See section 5.

11. Toxicological Information

To the best of our knowledge, when used and handled in accordance with the specified guidelines, this product does not have any toxicological effects.

12. Ecological Information

This product does not contain any heavy metals or asbestos and is CFC and HCFC free.

Persistence and degradability

The product has not been tested.

Ozone depletion potential

zero ODP, material is free of CFC and HCFC.

13. Disposal Considerations

Product Disposal

Dispose of waste according to applicable local regulations.

Packaging Disposal

Cardboard packaging may be re-used or recycled. Soft plastics and foiled packaging should be disposed of according to local regulations.

14. Transport Information

According to the following transportation regulations, this material is not defined as hazardous.

HSCODE

40161000

Land transport ADR /RID/ GGVSE

UN-No.:	Name of the good:
Class:	Classification code:
Packing group:	Danger labels:
Remark: No dangerous goods in accordance with the regulations.	

Marine transport IMDG-CODE

UN/ID-No.:	Proper shipping name:
Class:	Subsidiary risk:
Packing group:	EmS:
Remark: No dangerous goods in accordance with the regulations.	

Air transport IATA-DGR

UN/ID-No.:	Proper shipping name:
Class:	Subsidiary risk:
Hazard labels:	Packing group:
Remark: No dangerous goods in accordance with the regulations.	

15. Regulatory Information

There are no regulatory implications for the material composition or packaging, including known safety and environmental regulations.

16. Other information

Distribution

For industry consumer and trade companies

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This information presented by Hira Industries is accurate to the best of our knowledge at the time of publication. However, we have no knowledge of or control over the working conditions. Due to the unique nature of specific applications, results may vary according to individual circumstances beyond the manufacturers control. As our products are subject to constant research and development, Hira Industries reserves the right to amend, modify and/or update the content of this publication at any time, without prior notice. The data in this safety data sheet describes the safety requirements of our product and may not be considered to guarantee any product properties.

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