

Safety Data Sheet

According to Regulation (EC) No. 1907/2006



| | |
|-------------------|------------------------|
| Trade name: | Dry Construction Panel |
| Original Version: | 09.03.2009 |
| Version: | 1.0 |

01. Identification of the substance/preparation and of the company

| | |
|---|--|
| Trade name: | Uponor Dry Construction Panel |
| Use of the of substance/preparation: | Surface heating systems |
| Company/undertaking identification: | Uponor Ltd |
| Street/P.O Box: | The Pavillion, Blackmoor Lane, Watford |
| National code/postal code/city : | Herts, WD18 8GA |
| Contact for technical information: | Technical hotline Uponor +44 (0) 1923 927020 <i>Mo.-Th.: 08:00-17:00</i> <i>Fr.: 08:00-16:30</i> |
| Telephone/telefax/e-mail: | +44 (0) 1923 927020 / enquiries.uk@uponor.com <i>Mo.-Th.: 08:00-17:00</i> <i>Fr.: 08:00-16:30</i> |
| Emergency telephone: | +44 (0) 11923 927020 <i>Mo.-Th.: 08:00-17:00</i> <i>Fr.: 08:00-16:30</i> |

02. Hazards identification

| | |
|--|------|
| Hazard statements: | None |
| Information pertaining to special dangers for human and environment: | None |

03. Composition/information on ingredients

| | |
|----------------------------|---|
| Chemical characterization: | Expandable polystyrene CAS 9003-53-6 |
| Hazardous substances: | Hexabromcyclododecan CAS 25637-99-4>0.1w.-% |

04. First-aid measures

| | |
|--------------------------|---|
| General Information: | At room temperature the product is not irritant nor does it release hazardous vapours. Below mentioned measures refer to critical situations (e.g. in case of fire) |
| In case of Inhalation: | In case of excessive inhalation move affected person into fresh air. Call a physician. |
| In case of skin contact: | In case of contact with molten product immediately immerse in cold water. Do not peel solidified product off the skin. In case of burns consult a physician. |
| In case of eye contact: | In case of contact with the molten product consult a physician. |
| In case of ingestion: | Not applicable. |

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05. Fire-fighting measures

| | |
|--|--|
| Suitable extinguishing media: | Adjust to surrounding fire. |
| Unsuitable extinguishing media: | Full water jet. |
| Special exposure hazards from the substance or preparation itself, combustion products or resulting gases: | In case of fire the following substances may be liberated: Carbon dioxide, carbon monoxide, soot, styrene monomer. |
| Special protective equipment for fire-fighting: | Use respiratory protection with universal filter. In closed rooms wear self-contained breathing apparatus. |
| Additional Information: | None |

06. Accidental release measures

| | |
|----------------------------|------------------------------|
| Personal Precautions: | None |
| Environmental precautions: | No special measures required |

07. Handling and storage

| | |
|--|---|
| Advices on safe handling: | No special measures required if handling is at room temperature |
| Precautions against fire and explosion: | No special measures required |
| Further information on storage conditions: | Protect against heat and direct sunlight. Store in dry places. |
| Storage class VCI: | Not applicable. |

08. Exposure controls / Personal protection

Occupational exposure limits of the European Union

| | |
|-------------------------------------|---|
| Respiratory protection: | Not required |
| Hand protection: | Not required |
| Eye protection: | Not required |
| Protective Clothing: | Not required |
| General health and safety measures: | General principles for occupational safety and health |

09. Physical and chemical properties

Appearance

| | |
|-----------------|-----------|
| Physical state: | Solid |
| Colour: | White |
| Odour: | Odourless |

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Safety relevant data

| | |
|----------------------------|------------------------------|
| Danger of exploding: | The product is not explosive |
| Lower explosion limit: | Not applicable |
| Upper explosion limit: | Not applicable |
| Vapour pressure: | Not applicable |
| Density: | 10 – 60 g/cm ³ |
| Flow time: | Not applicable |
| Water solubility: | Insoluble |
| pH-Value: | Not applicable |
| Melting point/range: | 70 - 75 °C |
| Flash point: | 370 °C |
| Auto ignition temperature: | 490 °C |

10. Stability and reactivity

| | |
|-----------------------------------|---|
| Conditions to avoid: | The product is stable if stored and handled as prescribed. It decomposes at temperatures > 200 °C |
| Materials to avoid: | Aromatic halogenated solvents, ketones |
| Hazardous decomposition products: | At room temperature no hazardous decomposition products are known |

11. Toxicological information

If handled properly and according to its determination the product does not cause any health problems according to our experience and information.

| | |
|-------------------------------|---------------|
| Toxicity tests: | Not specified |
| Experiences made in practice: | Not specified |
| Information on ingredients: | Not specified |

12. Ecological information

| | |
|--------------------------------|--|
| Ecotoxicity: | Not specified |
| Mobility: | Not specified |
| Persistence and degradability: | Not specified |
| Bio accumulative potential: | Not specified |
| Results of the PBT-assessment: | This product contains HBCD (hexabromocyclododecane) which has been classified as harmful to the environment. More recent studies on water organisms have shown, however, that products such as PS-foamed parts contain this substance, but need not to be classified as harmful to the environment. Typical EPS products pass the alimentary system of animals without chemical modifications. EPS manufacturers have commented on the REACH classification of HBCD. More information can be |

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| | |
|------------------------|---|
| Other adverse effects: | requested from Uponor GmbH. Not applicable |
|------------------------|---|

13. Disposal considerations

| | |
|---|-------------------------------------|
| Substance / preparation: | According to the legal requirements |
| Waste code in accordance with AVV: 200139 | |

14. Transport information

Land transport ADR/RID

Classification

| | |
|---------------------------------|----------------|
| Class: | Not applicable |
| Hazard number: | Not applicable |
| UN-No: | Not applicable |
| Classification code: | Not applicable |
| Official transport designation: | Not applicable |
| Hazard inducer: | Not applicable |

Packing

| | |
|----------------|----------------|
| Packing group: | Not applicable |
| Hazard label: | Not applicable |

Marine transport IMDG

Classification

| | |
|-----------------------|----------------|
| IMDG-Code class: | Not applicable |
| EmS: | Not applicable |
| Un-No: | Not applicable |
| Marine Pollutant: | Not applicable |
| Proper shipping name: | Not applicable |
| Hazard inducer: | Not applicable |

Packing

| | |
|----------------|----------------|
| Packing group: | Not applicable |
| Hazard label: | Not applicable |

Air transport ICAO-TI und IATA-DGR

Classification

| | |
|-----------------------|----------------|
| Class: | Not applicable |
| UN-no: | Not applicable |
| Proper shipping Name: | Not applicable |
| Hazard inducer: | Not applicable |

Packing

| | |
|----------------|----------------|
| Packing group: | Not applicable |
| Hazard label: | Not applicable |

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15. Regulatory information

| | |
|--|----------------|
| Chemical safety assessment: | Not applicable |
| Labelling in accordance with EC regulation: | R |

Code letter/s and hazard statement/s of the product:

| | |
|-----------------|----------------|
| R-Phrases: | 50 / 53 |
| S-Phrases: | Not applicable |
| EC-regulations: | Not applicable |

| | |
|------------------------------|--|
| National regulations: | Observe in addition any national regulations |
|------------------------------|--|

16. Other information

Further relevant EC-regulations

| | |
|--|----------------|
| Restrictions on use recommended by the manufacturer: | Not applicable |
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| | |
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| R-Phases as stated in paragraph 20 and 3: | 50 / 53 |
|---|---------|

Further information

| | |
|---------------------------------------|------|
| Changes compared to previous version: | none |
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| Responsibility for issue of Safety Data Sheet: | Product and System Development |
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