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**1) ID of substance/preparation & manufacturing company**

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**Doc. ID :** QDS0250

**Issue Date :** 22<sup>nd</sup> March 2006  
**Supersedes Date :** N/A

**Product Tradename:** Westfoam/Unofoam

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**2) Composition/Information on Ingredients**

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**Chemical Composition/Characteristics:**

<b><u>Ingredient Name</u></b>	<b><u>CAS number</u></b>	<b><u>Composition</u></b>
Polystyrene Foam	9003-53-6	This low density foam may contain additives and a hydrocarbon blowing agent in low rates.

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**3) Hazards Identification**

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Human Health Hazards:	Molten product adheres to the skin and causes burns
Safety Hazards:	Danger of dust explosion when ground to small particle sizes.
Environmental Hazards:	No specific hazards

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**4) First Aid Measures**

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	<b>TREATMENT</b>
Inhalation	No adverse effects anticipated by this route of exposure.
Skin Contact	Considered to be physiologically inert. In case of skin injuries due to melting material, immediately cool with plenty of water. Do not remove the solidified resin but consult a doctor.
Eye Contact	Solid or dust may cause irritation or corneal injury due to mechanical action. Irrigate immediately with water for at least 5 minutes.
Ingestion	Ingestion is unlikely due to physical state. Obtain medical advice if ingestion has occurred.

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#### 5) Fire-fighting

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<b>Suitable Extinguishers</b>	:	Water spray jet, dry chemical powder, foam, CO <sub>2</sub>
<b>Fire Prevention</b>	:	Store away from naked flame or sources of heat.
<b>Combustion Products</b>	:	The material when involved in a fire can release dense black fumes made up of water, CO <sub>2</sub> , CO. Dense black smoke results from the carbon particles (soot) produced. Overheating/pyrolysis yields vapours made up of styrene monomer, low polymers and their oxidation products.
<b>Fire Fighting Procedure</b>	:	Wear self-contained breathing apparatus.

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#### 6) Accidental Release Measures

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<b>Personal Precautions</b>	:	N/A
<b>Environmental Precautions:</b>	:	Dispose of large volumes in accordance with local authority guidelines

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#### 7) Handling & Storage

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<b>Procedure for Safe Storage:</b>	:	Store in well-ventilated area away from open fire, heat and ignition sources. Avoid storage with organic solvents.
<b>Handling</b>	:	N/A

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#### 8) Exposure Controls/Personal Protection

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<b>Exposure Limits</b>	:	N/A
<b>Personal Protection</b>		
<b>Eye Protection</b>	:	Not required under normal use
<b>Hand/Skin</b>	:	Not required under normal use
<b>Respiratory</b>	:	Not normally required
<b>Ventilation</b>	:	Not required under normal use

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#### 9) Physical & Chemical Properties

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<b>PH</b>	:	N/A
<b>Density</b>	:	30 – 100 kg/m <sup>3</sup>
<b>Melting point</b>	:	>150°C
<b>Flash point</b>	:	> 350°C
<b>Water solubility</b>	:	insoluble
<b>Odour</b>	:	odourless

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#### 10) Stability & Reactivity

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<b>Materials to Avoid</b>	:	Most of the organic solvents, esters, amines, aldehydes, oils, petrol, collapsed the cell structure of the foamed polystyrene.
<b>Stability</b>	:	:Stable under normal handling and storage conditions. Avoid excessive heat.
<b>Hazardous Decomposition Products</b>	:	:Under high heat and non-flaming conditions, small amounts of aromatic hydrocarbons, predominantly styrene and ethyl benzene are generated (inflammable gases).

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### 11) Toxicological Information

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Not expected to be irritating. Not expected to be a skin sensitiser. Not mutagenic.

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### 12) Ecological Information

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**Basis for assessment** : Ecotoxicological data have not been determined specifically for this product. The information given below is based on a knowledge of the components and the ecotoxicology of similar products.

**Mobility** : The foamboard floats on the water surface and remains on the surface of soil.

**Biodegradability** : Expected to be not inherently biodegradable. It doesn't pose any harm for the landfill site nor can pollute the groundwater. Styrene homopolymers are susceptible to degradation by exposure to sunlight.

**Bioaccumulation** : Not expected to bioaccumulate significantly, MW >700.

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### 13) Disposal Considerations

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**Special Instructions** : Dispose of large volumes in accordance with local authority guidelines.

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### 14) Transport

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This product is not classified.

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### 15) Regulatory Information

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Not classified as dangerous. The product does not require a hazard warning label in accordance with EC directives.

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### 16) Other information

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CFC Free

The data contained in this Safety Data Sheet has been compiled from the best available knowledge in accordance with the requirements of 'The Control of Substances Hazardous to Health' for the purpose of protecting the health and safety of industrial and commercial users who are deemed capable of understanding and acting on the information provided. We do not accept any liability for any loss, damage or injury resulting from its use (except as required by law).

The information may not be valid for any use not referred to in this Data Sheet or use of the product in combination with other materials, and may be later amended in the light of new data.

**Please ensure that it is passed to the appropriate person(s) in your company, who are capable of acting on this information.**