Sound Reduction Systems Ltd

Manufacturers of Acoustic Insulation Products

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HEALTH AND SAFETY DATA SHEET

Product: Coustifoam

Intended Use: Acoustic Insulation

Composition:

Absorbent, flexible foam produced by the reaction between a high molecular weight polyol and toluene diisocyanate (TDI) and/or diphenyl methane diisocyanate (MDI) in the presence of catalysts, surfactants and blowing agents, resulting in a flexible cellular product having a predominantly open-celled structure.

Coustifoam grades of foam are produced by post-treatment of the polyurethane foam with a water based latex compound. This compound contains a high loading of alumina tri-hydrate, a flame retardant of low oral toxicity. This additive is "bound" to the foam substrate by the cured latex film and is water insoluble.

Health Hazards:

The foam is considered to be of low toxicity and should present no hazard from skin contact or by ingestion.

In certain grades of Coustifoam additives other than alumina tri-hydrate can be used to impart additional flame retardant protection. Whilst these additives are of a higher order of toxicity than alumina tri-hydrate they are present in small quantities and would therefore not be expected to present a hazard by dry skin contact or ingestion. These additional additives, like alumina tri-hydrate, are water insoluble.

Fire Hazards:

Coustifoam is highly flame retardant; a large ignition source will fail to ignite it. However, in a fire situation high temperatures will cause the foam to release smoke and toxic gases. A high standard of general fire precaution is most important.

Fire Fighting Measures:

In case of fire use water, foam, carbon dioxide or dry agent. Do not breathe fumes.

Storage Precautions:

Coustifoam requires no special storage precautions. They should be stacked up straight and kept dry. Taking care not to put heavy objects on top.

Handling:

Hot-wire cutting should be avoided, this will release toxic fumes containing isocyanates into the atmosphere. Observe good housekeeping and normal personal hygiene.

Transport:

No special transport precautions are required.

Waste Disposal:

Off cuts should be disposed of according to current Local Authority guidelines.

Stability and reactivity:

Stable and unreactive

Physical Properties:

Coustifoam is a matt black foam that can be supplied in different thicknesses and with different coatings. Coustifoam is supplied in sheets, rolls and cut parts.

Exposure Control: **N/A**

Accidental Release: **N/A**

Ecological Information: **N/A**