



Acoustical Surfaces, Inc.

SOUNDPROOFING, ACOUSTICS, NOISE & VIBRATION CONTROL SPECIALISTS

123 Columbia Court North • Suite 201 • Chaska, MN 55318
(952) 448-5300 • Fax (952) 448-2613 • (800) 448-0121

Email: sales@acousticalsurfaces.com
Visit our Website: www.acousticalsurfaces.com

We Identify and **S.T.O.P.** Your Noise Problems

MSDS Information

MATERIAL SAFETY DATA SHEET ACOUSTICAL COMPOSITE

Section I. Identification

Product Name: Composite

Manufacturer: Rendered by Manufacturer for Architectural Surfaces, Inc./
Acoustical Surfaces Inc.

Emergency Telephone No. (952) 448-5300

Material Description and Composition:

Composite is made of a Thermoplastic Polyurethane film facing, a layer of Polyester or Polyether Polyurethane foam, a vinyl elastomer loaded with barium sulfate and a polyester polyurethane foam decoupler layer.

Section II: Potentially Hazardous Components

None Known

Section III: Physical Data

Appearance, odor:

Film facing is gray and foam components are charcoal.
Composite is nearly odorless.

Melting, Decomposition Range:

Approximately 300-350° C (570-660° F)

Extractables:

Hot water will extract residual formulation ingredients plus low molecular weight polymers. Total extractables are 2.5 - 4.0%



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Section IV. Fire and Explosion Data

Flammability:

Material can be ignited by an open flame or by a source for smoldering ignition in combination with some other materials. In most cases, reference to combustion modification refers only to small scale laboratory tests and such ratings are not intended to reflect hazards presented by this or any other material under actual fire conditions.

Flash Point: Not applicable

Flammability Limits: Not applicable

Ignition Temperature: Not known

Explosibility:

Not explosive. High concentrations of fine product dust from processing may be an explosion hazard. Prevent accumulation of dust in work and storage areas, No dust limits have been established.

Fire Extinguishing Media:

Large volumes of water are required for extinguishing fires in large bulk storage areas. ABC dry chemical should be appropriate for initial control or small volumes of foam/Barrier composite typical in most enclosures and industrial applications.

Fire Fighting Hazards

Burning will produce irritation vapors and smoke, carbon monoxide, Hydrogen Halide and other decomposition products. Like all organic materials, thermoplastic polyurethane can be forced to burn by continuous application of intense heat or flame.

Product should be protected from open flames and intense heat.



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Section V. Fire and Explosion Data

Thermal Stability:

Rate of decomposition is accelerated at elevated temperatures. Avoid temperatures greater than 135° C (275° F)

Decomposition Hazard:

Burning or excessive heat will product irritation or toxic vapors or smoke

Hazardous Decomposition Products:

Depending on heating condition, decomposition products may include smoke, plus a variety of hydrocarbons, unsaturated hydrocarbons, aldehydes, acids, aromatics, carbon monoxide, carbon dioxide, hydrogen cyanide, nitrogen oxides, and some hydrogen halides.

Hazardous Polymerization:

Does no occur; heat will cause depolymerization.

Section VI: Storage Handling and Disposal

Storage Conditions:

Store product away from excessive heat, open flames or other sources of ignition. For storage of large volumes or product, a sprinkled storage area may be required.

Handling conditions:

Keep away from open flames.

Section VII: Health Effects

From Normal Handling and Use:

None expected. Polymer is essentially inert with low oral, eye or dermal toxicity.