

# Acoustical Board Products

## Material Safety Data Sheet

**TRADE NAMES: Celotex® Brand  
Acoustiform™  
AP Board**

**MSDS #: 0002-95D  
Effective Date: 6/17/02  
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### I. PRODUCT IDENTIFICATION

**Products:** Wet-Felted Acoustical Board Products.

### II. INGREDIENTS

Material	CAS Number	WT%* (Approx.)	OSHA PEL**	ACGIH TLV***	Comments
01 Slag Wool	NONE	<40	5	10	mg/m <sup>3</sup> Resp
02 Starch	9005-84-9	<11	5	10	mg/m <sup>3</sup> Resp
03 Cellulose	9004-34-6	<23	5	10	mg/m <sup>3</sup> Resp
04 Perlite	93763-70-3	<42	5	10	mg/m <sup>3</sup> Resp
05 Crystalline Silica	14808-60-7	<0.1	0.1	0.1	mg/m <sup>3</sup> Resp

\* % Approximate

\*\*PEL - OSHA Permissible Exposure Limit, 1910.1000, Nuisance Dust (Respirable)

\*\*\*TLV - Threshold Limit Value, adopted by American Conference of Governmental Industrial Hygienists, 1984-85

OSHA/PEL = 10 / (2X% SiO<sub>2</sub>) mg/m<sup>3</sup> Respirable

NA = Not Applicable, NE = Not Established

Carcinogenicity	NTP Listed	IARC Listed	OSHA Regulated
Ingredient Number:	None	05	None

SARA Title III Section 313:

Ingredients Listed:

All ingredients of this product are included in the U.S. Environmental Protection Agency's Toxic Substances Control Act (TSCA) Chemical Substance Inventory and the Canadian Domestic Substances List (DSL) or the Canadian Non-Domestic Substances List (NDSL).

As a manufactured article this product is exempt from the requirements of Canada's WHMIS.

### III. PHYSICAL DATA

<b>Boiling Point:</b>	N/A	<b>Sp. Gravity:</b>	.19 – .30
<b>Vap Pressure:</b>	N/A	<b>PCT. Volatiles:</b>	N/A
<b>Vap Density:</b>	N/A	<b>EVAP. Rate:</b>	N/A
<b>Sol. in Water:</b>	N/A	<b>Appearance/Odor:</b>	Various colors; No odor.



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## IV. FIRE AND EXPLOSION HAZARD DATA

<b>Flash Point</b> (method):	N/A
<b>Flammable Limits:</b>	LEL % N/A UEL % N/A
<b>Extinguishing Media:</b>	Water fog, foam or dry chemical
<b>Sp. Fire Fighting Procedures:</b>	None Known
<b>Unusual Fire &amp; Explosion Hazards:</b>	May smolder – extinguish completely.
<b>NFPA Ratings:</b>	4 = Severe Hazard, 3 = Serious Hazard, 2 = Moderate Hazard, 1 = Slight Hazard, 0 = Minimal Hazard
<b>Flammability:</b>	0
<b>Health:</b>	0
<b>Reactivity:</b>	0
<b>Special Hazards:</b>	

## V. HEALTH HAZARD DATA

**Primary Routes of Exposure:** Inhalation if dust is created during fabrication.

**Signs & Symptoms of Overexposure:**

Acute	When cut or trimmed, dust may cause temporary irritation of eyes, nose, throat and lungs.
Chronic	Loss or reduction of pulmonary functions. In October 2001, the International Agency for Research on Cancer (IARC) concluded there is "no evidence" for the carcinogenicity of man-made vitreous fibers (glass wool, rock wool and slag wool) in humans. Epidemiologic studies published during the 15 years since the previous IARC Monographs review of these fibers in 1988 provide no evidence of increased risks of lung cancer or of mesothelioma from occupational exposures during manufacture of these materials, and inadequate evidence overall of any cancer risk. IARC states that man-made vitreous fibers (glass wool, rock wool and slag wool) are "not classifiable as to carcinogenicity to humans" (Group 3).

In June 1997, the International Agency for Research on Cancer (IARC) concluded there is "sufficient evidence" in humans for the carcinogenicity of inhaled crystalline silica in the form of quartz or cristobalite from occupational sources. In making the overall evaluation, the Working Group noted that carcinogenicity in humans was not detected in all industrial circumstances studied. Carcinogenicity may be dependent on inherent characteristics of the crystalline silica or on external factors affecting its biological activity or distribution of its polymorphs. IARC states that crystalline silica inhaled in the form of quartz or cristobalite from occupational sources "is carcinogenic to humans" (Group 1).

**Aggravated Medical Conditions:  
Emergency and  
First Aid Procedures:**

Inhalation	Remove to fresh air.
Eyes	Flush with water for 15 minutes.
Skin	Wash with soap and water.
Ingestion	N/A

**Other:**



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## VI. REACTIVITY DATA

**Stable**

**Conditions to avoid:**

High humidity and water.

**Incompatibilities:**

Strong acids.

**Hazardous Decomposition**

Products:

H<sub>2</sub>S gas can be formed on contact with strong acids.

## VII. SPILL OR LEAK PROCEDURES

**Steps to be taken in case**

**material is released or spilled:**

Appropriate housekeeping - See section IX.

**Disposal Method:**

Dispose in accordance with Federal, State and Local regulations.

## VIII. SPECIAL PROTECTION INFORMATION

**Ventilation:**

Not necessary unless fabricating. If so, use sufficient ventilation to keep exposures below TLV

**Respiratory Protection**

**(use only NIOSH/MSHA**

**certified devices):**

**Protective Clothing:**

Dust mask during fabrication if necessary.

If dusty, wear gloves, long sleeved loose fitting clothing closed at neck and wrist..

**Eye Protection:**

As necessary.

## IX. SPECIAL PRECAUTIONS

**WARNING:**

This product contains man made vitreous fibers (slag wool) and crystalline silica.

**CAUTION:**

Dust/fiber released during normal handling of this product can cause skin, eye and respiratory irritation.

Avoid breathing dust/fiber and contact with skin and eyes.

Smoking greatly increases any health risks, including lung cancer.

**Follow these work practices:**

**PREVENT DUST:**

Cut and trim with a razor knife or a hand saw. Use local exhaust ventilation whenever the dust exposure may exceed established dust standards or ACGIH recommended dust levels. Operations such as power cutting, power kerfing, or using compressed air to remove (blow down) dust should not be used, as they have the potential to create high dust exposure.

**USE RESPIRATORS:**

In work settings, where dust exceeds standards, use a NIOSH/MSHA approved respirator. Consult respirator manufacturers for specific recommendations on the proper respirator. An appropriate fit-testing program must be incorporated in all Respiratory Protection Programs.

**PROTECT YOUR EYES:**

Wear safety glasses or goggles whenever handling or installing ceiling tile.

**WEAR LOOSE CLOTHING:**

Wear long-sleeved shirts or blouses that are loose at the neck and wrists, along with long pants and caps, to help prevent the skin from coming into contact with ceiling tile dust. Depending upon job conditions, gloves may also be necessary.



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***DON'T RUB OR SCRATCH  
YOUR SKIN:***

If ceiling tile dust gets on your skin do not rub or scratch the area. Remove the dust by washing your skin thoroughly, but gently, with warm water and mild soap. Using a skin cream or lotion after washing may also help.

***WASH WORK CLOTHING:***

Clothing that has been worn while handling or installing ceiling tile should be washed separately from other household laundry. This will prevent fibers and dust from being transferred to other clothes. Rinse your washing machine thoroughly before you use it again. If there is a lot of dust on clothing, it's best to presoak and rinse the garment prior to washing.

***KEEP WORK AREA CLEAN:***

Avoid unnecessary handling of scrap ceiling tile materials by keeping waste-disposal equipment close. Do not let scrap material or debris pile up on the floor. Follow an organized housekeeping program at all times.

***CLEANUP PRACTICES:***

Surfaces where dust collects should be cleaned by wet wiping or filtered vacuuming. Dry sweeping or using compressed air should not be used to remove loose dust.

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As of the date of preparation of this document, the foregoing information is believed to be accurate and is provided in good faith to comply with applicable Federal and State Laws. However, no warranty or representation with respect to such information is intended or given.

