

**TRADE NAMES: Adagio®**

**MSDS #: 1060-02B**  
**Effective Date: 02/01/08**  
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CertainTeed Ceilings  
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**I. PRODUCT IDENTIFICATION**

**Products:** Fiberglass/mineral fiber Composite Acoustical Ceiling Product.

**II. INGREDIENTS**

Common Name	Material	CAS #	WT%	Exposure Limits in Milligram/Cubic Meter	
				PEL*	ACGIH TLV**
Fiberglass	Fibrous Glass Wool	65997-17-3	<35	15	10
	Urea Extended Phenol-formaldehyde				
	Resin (Cured)	25104-55-6	<6	NE	NE
Fiber Board	Slag Wool	NE	<55	None	10
	Starch	9005-84-9	<8	5	10
	Cellulose	9004-34-6	<12	5	10
	Perlite	93763-70-3	<30	5	10
	Crystalline Silica	14808-60-7	<1	0.1	0.1
	Clay	1332-58-7	<1	5	10
Laminate	Fibrous Glass Wool	65997-17-3	<5	15	10
Sealant	Titanium Dioxide	13463-67-7	<1	15	10
	Calcium Carbonate	1317-65-3	<1	15	10
	Aluminum Silicate	1332-58-7	<1	NA	NA
	Silica, Amorphous	63231-67-4	<1	6	10
	Water	7732-18-5	<1	NA	NA
	2,2,4Trimethyl -				
	1,3Pentenediol Isobutyrate	25265-77-4	<1	NA	NA

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

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

NA = Not Applicable, NE = Not Established

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>Appearance and Odor:</b>	Various colors with no odor.
<b>Boiling Point</b> (Degrees F):	NA
<b>Melting Point:</b>	NA
<b>Vapor Pressure</b>	NA
<b>Percent Volatile by Volume:</b>	NA
<b>Specific Gravity</b> (Water = 1)	0.10 - 0.20
<b>Vapor Density</b> (Air = 1):	NA
<b>Evaporation Rate</b> (Ethyl Ether = 1):	NA
<b>Solubility in Water:</b>	NA

### IV. FIRE AND EXPLOSION HAZARD DATA

<b>Flash Point:</b>	NA
<b>Flammable Limits:</b>	LEL: NA UEL: NA
<b>Extinguishing Media:</b>	Water fog.
<b>Special Fire Fighting Procedures:</b>	None known
<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>Unusual Fire and Explosion Hazards:</b>	NA

### V. HEALTH HAZARD DATA

**Primary Routes of Entry:** Inhalation, skin contact and eye contact.

**Health Hazards:** (Acute and Chronic)

**Inhalation:**

- Acute: Mechanical irritation of the nose, throat and lungs. When cut or trimmed, especially with power tools, dust may cause temporary irritation.
- Chronic: 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).

**Skin Contact:**

- Acute: Transient mechanical irritation.
- Chronic: None known.

**Eye Contact:**

- Acute: Direct contact may cause temporary irritation.
- Chronic: None known.

## VI. REACTIVITY DATA

<b>Stability:</b>	Stable	Condition to Avoid: None
<b>Incompatibility:</b>	H <sub>2</sub> S gas can be formed on contact with strong acids.	
<b>Hazardous Decomposition Products:</b>	As expected from any organic material, hazardous products will mainly be derived from pyrolysis of the resin. The products may include carbon monoxide, carbon dioxide, hydrocarbon particles, carbon-hydrogen-nitrogen and nitrogen-oxygen compounds.	
<b>Hazardous Polymerization:</b>	Will not occur.	

## VII. SPILL AND LEAK PROCEDURES

<b>Procedures for Spills/Leaks:</b>	No special precautions required, pick up large pieces, sweep or vacuum material into waste container for disposal. Avoid creating excessive dust. If sweeping is necessary use dust suppressant.
<b>Waste Disposal Method:</b>	An inert solid waste, dispose in accordance with Federal, State and Local regulations. The primary method of disposal is in a municipal or industrial landfill.
<b>Special Handling/Storage:</b>	Store flat in a dry area.

## VIII. SPECIAL PROTECTION INFORMATION

<b>Inhalation:</b>	Move to fresh air.
<b>Skin Contact:</b>	Flush with water, followed by washing with soap and water.
<b>Eye Contact:</b>	Flush with water for at least 15 minutes, if symptoms continue seek immediate medical attention.

## IX. SPECIAL PRECAUTIONS

<b>Ventilation:</b>	In a dust generating installation, use sufficient natural or mechanical ventilation to maintain airborne concentration below PEL and TVL.
<b>Eye Protection:</b>	Safety glasses, goggles, or face shields should be worn when cutting or trimming mineral fiber board, especially with power tools.
<b>Gloves:</b>	Not normally required, may be useful in some applications.
<b>Respirator:</b>	Use of NIOSH/MSHA approved respiratory protection during installation should be used when working with mineral fiber board in any confined or poorly ventilated space, cutting mineral fiber board products with power tools or any installation operation which creates a dusty working environment.
<b>Other:</b>	Wear loose fitting, long sleeved clothing closed at neck and wrist, if dusty. Wash work clothes separately from other clothing; then rinse washer thoroughly.

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.