



# MATERIAL SAFETY DATA SHEET

Armstrong World Industries, Inc.  
 Environment, Health and Safety  
 2500 Columbia Avenue, P.O. Box 3001  
 Lancaster, PA 17604  
 Telephone (717) 396-2328 or 396-2935

Division: Building Products

Date: 9/09 (replaces 7/09)

N/A = Not applicable or Not Available

N/K = None Known or Not Known

Issued By : Safety, Health and  
 Industrial Hygiene Department

Department of Transportation Information

Shipping name : Not Classified

Hazard Class : N/A

ID No : N/A

Emergency Only Contact: CHEM-TEL 800-255-3924

HMIS ( 0 = minimal hazard, 4 = severe hazard )

Health = 1

Flammability = 0

Reactivity = 0

**I. Product Information**

A. Product Name : Man-made Vitreous Fiber Ceilings and Wall Panels (Fire Guard) - MSDS #2

B. Chemical Name and Synonyms : N/A

C. Chemical or Product Family : Man-made Vitreous Fibers

**II. Ingredient Information**

A. Hazardous Components ( Chemical Identity; Common Name )	C.A.S No.	%	OSHA PEL Respirable:	ACGIH TLV Respirable:
Mineral Wool Fiber	N/A	0-60	15 mg/m3 (as nuisance dust)	1 f/cc
Fibrous Glass	65997-17-3	0-5	5 mg/m3 (as respirable nuisance dust)	1 f/cc
Hydrous Aluminum Silicate	1332-58-7	15-25	0.1 mg/m3 (as respirable crystalline silica)	0.025 mg/m3 (as respirable crystalline silica)

This product formulation does not contain asbestos.

**III. Physical Data**

A. Appearance and Color : Gray, pressed man-made vitreous fiber panel of various colors

B. Boiling Point ( degrees F ) : N/A

C. Vapor pressure ( mm Hg @ 20 degrees C ) : N/A

D. Vapor density ( Air = 1 ) : N/A

E. Solubility in Water : N/A

F. Specific Gravity ( H<sub>2</sub>O = 1 ) : N/A

G. Percent Volatile by weight ( 30 min. @ 275 degrees F ) : N/A

H. Evaporation Rate ( Butyl Acetate = 1 ) : N/A

I. pH : N/A

**IV. Fire and Explosion Data**

A. Flash point : N/A

B. Flammable Range : LEL = N/A ; UEL = N/A

C. Extinguishing Media : Water fog, dry chemical ABC rated

D. Special Fire Fighting Procedures : None

E. Unusual Fire and Explosion Hazards : None

V. Health Data

A. Primary Route (s) of Entry: Inhalation, skin, and eye contact

B. Target Organs: Lungs, skin and eyes

Effects of Overexposure :

Acute Health Effects: Products are a transient mechanical irritant to the skin, eyes and upper respiratory system.

Refer to special protection information for handling instructions.

*Mineral Wool Fiber:* Mineral wool fiber has been classified as "not classifiable as to its carcinogenicity to human" (Group 3) by the International Agency for Research on Cancer (IARC).

*Fibrous Glass :* Fibrous glass has been classified as "not classifiable as to its carcinogenicity to human" (Group 3) by the International Agency for Research on Cancer (IARC). Fibrous glass is listed by NTP as 2, reasonably anticipated to be a carcinogen.

*Crystalline Silica:* Long term exposure to crystalline silica dust in concentrations higher than the recommended PEL or TLV may cause silicosis. NTP has classified respirable crystalline silica as a substance that may be anticipated to be a carcinogen. IARC has established a Group 1 classification to crystalline silica as a known carcinogen to humans.

C. Carcinogenicity: NTP : Yes IARC Monographs : Yes OSHA Regulated : No

D. Medical Conditions Generally aggravated by Exposure: Any condition generally aggravated by respiratory and mechanical irritants in the air or on the skin. Pre-existing upper respiratory and lung disease such as, but not limited to bronchitis, emphysema, and asthma.

E. First Aid Procedures:

Skin: Wash with mild soap and running water

Eyes: Flush with flowing water for at least 15 minutes and if symptoms persist, seek immediate medical attention.

VI. Reactivity Data

A. Stability : Material is stable

B. Incompatibility: N/K

C. Hazardous Decomposition Products: Carbon dioxide, and other trace pyrolysis products typical of decomposition of any organic compound.

D. Hazardous Polymerization: N/A

VII. Spill or Leak Procedures

A. Steps to be taken if material is released or spilled : N/A

B. Recycling Information : Armstrong Ceilings can be recycled through the Armstrong Ceiling Recycling Program. For more information on the program, requirements and local resources, please visit [www.armstrong.com/ceilings/recycling](http://www.armstrong.com/ceilings/recycling) or call our Recycling Center at 877-276-7876, press 1 (Ceilings), then press 8.

If the Armstrong Ceiling Recycling Program cannot be used, please dispose in accordance with federal, state and local waste disposal regulations

VIII. Special Protection Information

During the installation, be certain that the work site is well ventilated, and avoid breathing dust.

Wear long-sleeve, loose fitting clothes, gloves and eye protection.

Handle these materials carefully to minimize airborne dust.

If high dust levels are anticipated during installation, such as with the use of power tools, use the appropriate NIOSH approved dust respirator.

All power cutting tools must be equipped with dust collectors.

After using these materials, wash with warm water and mild soap. Do not scratch or rub skin if it becomes irritated.

Wash work clothes separately, and then rinse the washer.

The information presented herein is supplied as a guide to those who handle or use this product. Safe work practices must be employed when working with any materials. It is important that the end user makes a determination regarding the adequacy of the safety procedures employed during the use of this product.