



Material Safety Data Sheet

Material Name: Basement Wall Finishing System – Wall Panel

MSDS No.: 15-MSD- 22934-01-A

*** Section 1 - Chemical Product and Company Identification ***

Product Name(s): Basement Wall Finishing System – Wall Panel

Manufacturer:

Owens Corning
One Owens Corning Parkway, World Headquarters
Attn. Product Stewardship
Toledo, OH 43659, USA

Emergency Contacts:

Emergencies ONLY (after 5pm ET and weekends): 1-419-248-5330,
CHEMTREC (24 hours everyday): 1-800-424-9300,
CANUTEC (Canada - 24 hours everyday): 1-613-996-6666.

Health and Technical Contacts:

Health Issues Information (8am-5pm ET): 1-419-248-8234,
Technical Product Information (8am-5pm ET): 1-800-GET-PINK.

*** Section 2 – Composition / Information on Ingredients ***

CAS #	Component	Percent by Wt.
65997-17-3	Fiber Glass Wool (Fibrous Glass)	75-90
25104-55-6	Urea, polymer with formaldehyde and phenol (Cured Binder)	3.5-15
various	Decorative Fabric (fabric)	10-15

Component Related Regulatory Information

This product may be regulated, have exposure limits or other information identified as the following: Fiber Glass wool, fibrous glass, insulation glasswool, glasswool (respirable size) and nuisance particulates.

Component Information/Information on Non-Hazardous Components

No additional information available.

*** Section 3 - Hazard Identification ***

Appearance and Odor: Fabric covered yellow or tan fibrous glass wall panel with faint resin odor.

Emergency Overview

Acrid smoke may be generated in a fire.

Potential Acute Health Effects

Inhalation:

Dusts and fibers from this product may cause mechanical irritation of the nose, throat, and respiratory tract.



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Skin Contact:

Dusts and fibers from this product may cause temporary mechanical irritation to the skin.

Eye Contact:

Dusts and fibers from this product may cause temporary mechanical irritation to the eyes.

Ingestion:

Ingestion of this product is unlikely. However, ingestion of product may produce gastrointestinal irritation and disturbances.

Medical Conditions Aggravated by Exposure:

Chronic respiratory or skin conditions may temporarily worsen from exposure to this product.

Chronic Conditions:

See Section 11 for additional information.

*** Section 4 - First Aid Measures ***

Inhalation:

If inhaled, remove the affected person to fresh air. If irritation persists get medical attention.

Skin Contact:

For skin contact, wash with mild soap and running water. Use a washcloth to help remove fibers. To avoid further irritation, do not rub or scratch affected areas. Rubbing or scratching may force fibers into the skin. If irritation persists get medical attention.

Never use compressed air to remove fibers from the skin. If fibers are seen penetrating from the skin, the fibers can be removed by applying and removing adhesive tape so that the fibers adhere to the tape and are pulled out of the skin.

Eye Contact:

Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists get medical attention.

Ingestion:

Ingestion of this material is unlikely. If it does occur, watch the person for several days to make sure that partial or complete intestinal obstruction does not occur. Do not induce vomiting unless directed to do so by medical personnel.

*** Section 5 - Fire Fighting Measures ***

Flash Point: None
Upper Flammability Limit: Not applicable
Flammability Classification: Non-flammable

Flash Point Method: Not applicable
Lower Flammability Limit: Not applicable

Extinguishing Media:

Dry chemical, foam, carbon dioxide, or water fog.

Unusual Fire & Explosion Hazards:

Vinyl faced products will release hydrogen chloride in a fire.

Fire-Fighting Instructions:

In a sustained fire use self-contained breathing apparatus (SCBA) and full bunker turnout gear.



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Hazardous Combustion Products:

Primary combustion products are carbon monoxide, carbon dioxide, ammonia, and water. Other undetermined compounds could be released in small quantities.

*** Section 6 - Accidental Release Measures ***

Containment Procedures:

This material will settle out of the air. If concentrated on land, it can then be scooped up for disposal as a non-hazardous waste. This material will sink and disperse along the bottom of waterways and ponds. It cannot easily be removed after it is waterborne; however, the material is non-hazardous in water.

Clean-Up Procedures:

Scoop up material and put into a suitable container for disposal as a non-hazardous waste.

Response Procedures:

Isolate area. Keep unnecessary personnel away.

Special Procedures:

None.

*** Section 7 - Handling and Storage ***

Handling Procedures:

Keep product in its packaging until use to minimize potential dust generation. Keep work areas clean. Avoid unnecessary handling of scrap material. Wear PPE as described in Section 8. Follow good industrial hygiene practices when handling this material.

Storage Procedures:

Material should be kept dry and undercover.

*** Section 8 – Exposure Controls / Personal Protection ***

Exposure Guidelines:

A: General Product Information

Follow all applicable exposure limits.

B: Component Exposure Limits

ACGIH and OSHA exposure limit lists have been checked for those components with CAS registry numbers.

Fiber Glass Wool (Fibrous Glass) (65997-17-3)

ACGIH: 1 f/cc TLV-TWA for respirable fibers longer than 5 μ m with a diameter less than 3 μ m; (Listed under "Synthetic vitreous fibers") (listed as glass wool fibers) (related to particulates not otherwise classified (PNOC))

OSHA: 1 fiber/cc (respirable) TWA (a) (See Note Below) 5 mg/m³ (respirable dust) 15 mg/m³ (total dust)

Note: (a) A voluntary PEL was established by the North American Insulation Manufacturers Association (NAIMA) and OSHA per the Health and Safety Partnership Program (HSPP) agreement for Synthetic Vitreous Fibers (SVF).



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Ventilation:

General dilution ventilation and/or local exhaust ventilation should be provided as necessary to maintain exposures below regulatory limits. Dust collection systems should be used in operations involving the use of power tools.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection:

Use a properly fitted NIOSH or MSHA approved disposable dust respirator such as the 3M Model 8210 (3M Model 8271 in high humidity environments) or equivalent when you: 1) install or remove loose fill, 2) install or remove any of these products in poorly ventilated spaces such as attics or crawlspaces. As an extra precaution you may choose, but are not required, to wear a disposable dust respirator at all times.

If temperature of the surface being covered exceeds 250°F (121 °C), the binder in these products may undergo various degrees of decomposition depending on the temperature of the application. The need for respiratory protection will vary according to the airborne concentration of the decomposition products released and accumulated in the area. If the insulation must be installed on hot surfaces above 250°F (121 °C), a full face respirator approved for protection against formaldehyde and organic vapors should be used. In areas with good general and/or local exhaust ventilation where exposures are controlled below the formaldehyde occupational exposure limits, respiratory protection is normally not needed.

Skin Protection:

Normal work clothing (long sleeved shirt, long pants, and gloves) is recommended. Skin irritation is known to occur chiefly at the pressure points such as around the neck, wrists, waist and between the fingers.

Eyes/Face Protective Equipment:

Wear safety glasses or goggles.

*** Section 9 - Physical & Chemical Properties ***

<p>Appearance: Fabric Covered, Fibrous glass</p> <p>Physical State: Solid</p> <p>Vapor Pressure (mm Hg @ 20 C): Not applicable</p> <p>Boiling Point: Not applicable</p> <p>Specific Gravity (Water=1): Not applicable</p> <p>Evaporation Rate (n-Butyl Acetate=1): Not applicable</p>	<p>Odor: Organic</p> <p>pH: Not applicable</p> <p>Vapor Density (Air=1): Not applicable</p> <p>Solubility (H2O): Insoluble</p> <p>Freezing Point: Not applicable</p> <p>Viscosity: Not applicable</p>
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Physical Properties: Additional Information

No additional information available.

*** Section 10 - Chemical Stability & Reactivity Information ***

Stability:

This is a stable material.

Conditions to Avoid:

None expected.

Incompatible Materials:

None expected.



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Hazardous Decomposition Products:

None, except in fire. See Section 5 of MSDS for combustion products statement.

Hazardous Polymerization:

Will not occur.

*** Section 11 - Toxicological Information ***

Acute Effects:

General Product Information

None

Component Analysis - LD50/LC50

Urea, polymer with formaldehyde and phenol (25104-55-6)

Oral LD50 Rat: 7 gm/kg

Oral LD50 Mouse: 7 gm/kg

Carcinogenicity:

Fiber Glass Wool: In October 2001, the International Agency for Research on Cancer (IARC) classified fiber glass wool as Group 3, "not classifiable as to its carcinogenicity to humans." The 2001 decision was based on human studies and animal research that have not shown an association between inhalation exposure to dust from fiber glass wool and the development of respiratory disease. This classification replaces the IARC finding in 1987 of a Group B designation "possibly carcinogenic to humans."

In May 1997, the American Conference of Governmental Industrial Hygienists (ACGIH) adopted an A3 carcinogen classification for glass wool fibers. The ACGIH A3 classification considers glass wool to be carcinogenic in experimental animals at relatively high doses, by routes of administration, at sites, or by mechanisms that it does not consider relevant to worker exposure. It also reviewed the available epidemiological studies and concluded that they do not confirm an increased risk of cancer in exposed humans. Overall, the ACGIH found that the available medical/scientific evidence suggests that glass wool is not likely to cause cancer in humans except under uncommon or unlikely routes or levels of exposure.

In 1994, the National Toxicology Program (NTP) classified glass wool (respirable size) as "reasonably anticipated to be a human carcinogen." This classification was primarily based upon the 1987 IARC classification. NTP is currently considering reclassifying this material.

Component Analysis

Fiber Glass Wool (Fibrous Glass) (65997-17-3)

IARC: Group 3 "not classifiable as to its carcinogenicity to humans" (related to Glasswool)
October 2001 Meeting

ACGIH: A3 - animal carcinogen (related to Glass wool fibers)

NTP: Reasonably anticipated to be a human carcinogen (related to glasswool) (possible select carcinogen)

*** Section 12 - Ecological Information ***

This material is not toxic to animals, plants, or fish.

*** Section 13 - Disposal Considerations ***

US EPA Waste Number & Descriptions:

A: General Product Information

This product, if discarded, is not expected to be a characteristic hazardous waste under RCRA.



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B: Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions:

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

*** Section 14 – Transportation Information ***

US DOT Information

Shipping Name: Not regulated for transport.

Hazard Class: None

UN/NA #: None

Packing Group: None

Required Label(s): None

Additional Info.: None

TDG Information

Shipping Name: Not regulated for transport.

Hazard Class: None

UN/NA #: None

Packing Group: None

Required Label(s): None

Additional Info.: None

Additional Transportation Regulations:

No additional information available.

*** Section 15 - Regulatory Information ***

US Federal Regulations:

A: General Product Information

No additional information available

B: Component Analysis

This material contains one or more of the following chemicals that are identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) and/or CERCLA (40 CFR 302.4).

None

The following is provided to aide in the preparation of SARA Section 311 and 312 reports.

SARA 311/312

Acute Health Hazard: Yes

Chronic Health Hazard: Yes

Fire Hazard: No

Sudden Release of Pressure Hazard: No

Reactive Hazard: No

C: Clean Air Act

The following components appear on the Clean Air Act-1990 Hazardous Air Pollutants List:

None



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State Regulations:

A: General Product Information

No additional information available.

B: Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS #	CA	FL	MA	MN	NJ	PA
Fiber Glass Wool (Fibrous Glass) (1 related to Mineral wool fiber)	65997-17-3	Yes ¹	No	Yes ¹	Yes ¹	No	Yes ¹

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

WARNING! This product contains a chemical known to the state of California to cause cancer.

Other Regulations:

A: General Product Information

No additional information available.

B: Component Analysis - Inventory

Component	CAS #	TSCA	DSL	EINECS
Fiber Glass Wool (Fibrous Glass)	65997-17-3	Yes	Yes	Yes
Urea, polymer with formaldehyde and phenol	25104-55-6	Yes	Yes	No

C: Component Analysis - WHMIS IDL

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

Component	CAS #	
Fiber Glass Wool (Fibrous Glass)	65997-17-3	1% item 768 (884) (related to Fibrous glass)

WHMIS Status: Controlled

WHMIS Classification: D2A- Carcinogenicity

D2B- Irritation

*** Section 16 - Other Information ***

HMIS and NFPA Hazard Ratings:	Category	HMIS	NFPA
	Acute Health	1*	2
	Flammability	0	2 (facing, packaging)
	Reactivity	0	0

NFPA Unusual Hazards: None.

HMIS Personal Protection: To be supplied by user depending upon use.

Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use.



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Key/Legend:

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration; NFPA = National Fire Protection Association; HMIS = Hazardous Material Identification System; CERCLA = Comprehensive Environmental Response, Compensation and Liability Act; SARA = Superfund Amendments and Reauthorization Act; DSL = Canadian Domestic Substance List; EINECS = European Inventory of New and Existing Chemical Substances; WHMIS = Workplace Hazardous Materials Information System; CAA = Clean Air Act

Revision Summary:

This is a revised MSDS, which replaces 15-MSD-22934-01 with updated toxicological data, PPE information and chemical composition information.

Get OC MSDS electronically via Internet: <http://www.owenscorning.com> or by calling 1-419-248-8234.

This is the end of MSDS # 22934-01-A



Research Report
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MANUFACTURER:

OWENS CORNING
ONE OWENS CORNING PKWY
TOLEDO, OHIO 43659

**DIVISION 7 – THERMAL AND
MOISTURE PROTECTION**

Section 07200 – Insulation

DIVISION 9 – FINISHES

**Section 09540 – Special Wall
Surfaces**

EVALUATION SUBJECT:

**BASEMENT WALL FINISH
SYSTEM™**

evaluation scope

Compliance with the following codes:

BOCA National Building Code/1999

- Section 803.2 Classification
- Section 803.6 Carpet and carpet-like wall coverings
- Section 106.4 Alternative materials and equipment
- Section 2603.7 Interior trim
- Section 1301.1 Scope (Energy conservation)

1998 International One- and Two-Family Dwelling Code

- Section 318.1 Wall and ceiling (flame spread index)
- Section 318.2 Smoke-developed index
- Section 318.3 Testing

description

OWENS CORNING Basement Wall Finishing System™ is an alternative to conventional wall framing and gypsum wallboard. The Basement Wall Finishing System™ consists of PVC support lineals, base, batten, and cove moldings, and rigid prefinished fiberglass panels. Panels are prefinished with a fabric cover. Basement Wall Finishing System™ is primarily intended for installation in residential applications. Refer to Figure 1 at the end of this report for illustrations of the Basement Wall Finishing System™.

The Basement Wall Finishing System™ shall be installed in accordance with the manufacturer's installation instructions and this report. Installation typically consists of either mechanical fasteners or adhesive fastening or a combination of both to the supporting substrate. Thermal resistance (R-value) for the fiberglass panels is 11.

Basement Wall Finishing System™ panels meet the requirements for classification as a Class I interior finish as tested in accordance with ASTM E84 and also has demonstrated that it will not spread fire to the edge of the specimen or cause flashover in the test room in accordance with the testing requirements specified in Section 803.6(2) of the *BOCA National Building Code/1999*.

condition of use

This report is limited to applications and products as stated herein. BOCA-ES intends that this report be used by the code official to determine that the report subject complies with the code requirements specifically addressed, provided that this product is installed in accordance with the following conditions:

- OWENS CORNING Basement Wall Finishing System™ is intended for finishing walls in basement applications. Other applications are outside the scope of this report.
- The maximum permitted area of the PVC moldings shall not exceed 10 percent of the aggregate wall and ceiling area of the room.
- Installation of the Basement Wall Finishing System™ shall be in accordance with this report and the manufacturer's installation manual.
- Basement Wall Finishing System™ shall be installed over cast-in-place concrete or concrete masonry unit walls, or wood or metal stud framing. Supporting structural systems shall conforming to code requirements for that system and are outside scope of this report.
- The electrical wiring in the chase at the bottom of the Basement Wall Finish System™ shall conform to the requirements of the code and is outside the scope of this report.

Items requiring verification

The following items are related to the use of the report subject, but are not within the scope of this evaluation. However, these items are related to the determination of code compliance.

- ✓ Concealed electrical, mechanical, or plumbing components shall be inspected prior to the installation of the Basement Wall Finishing System™ panels to verify compliance with related code requirements. Evaluation of these components is outside scope of this report.
- ✓ Framing supporting the Basement Wall Finishing System™ shall be inspected prior to the installation of the panels to verify compliance with related code requirements. Evaluation of this framing is outside scope of this report.



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