



# SAFETY DATA SHEET

## 1 PRODUCT AND COMPANY IDENTIFICATION

**Product Type:** Malarkey Fiberglass Mat

**Trade Names:**

Malarkey Fiberglass Mat:  
G190, G200, G210, G255, G271, G285,  
G300, G307, G510, G510K

**Use:** Reinforcement for roofing, paving

**Manufacturer:**

Malarkey Roofing Products  
P.O. Box 17217  
3131 N. Columbia Blvd.  
Portland, OR 97217  
Phone: 503-283-1191  
www.malarkeyroofing.com

**Emergency Contact:**

CHEMTREC®: 1-800-424-9300 (24 HOUR)

## 2 HAZARD(S) IDENTIFICATION

**GHS classification**

Not a hazardous substance or mixture.

**GHS label element**

Not a hazardous substance or mixture.

**Other hazards**

Trace amounts of formaldehyde may be released when contacted with moisture, including humidity. This release is most prevalent in conditions of high heat and humidity. Temporary mechanical abrasion (itching) of skin, eyes and respiratory tract may occur upon exposure to particles during handling of this product and cannot occur unless there is direct contact. Abrasion effects should subside after cessation of exposure. When exposures may exceed any applicable exposure limits, use an appropriate NIOSH-certified respirator or dust mask. Exposure limits are not expected to be exceeded in typical applications.

**GHS CLASSIFICATION**

**Not a hazardous  
substance or mixture.**

## 3 COMPOSITION / INFORMATION ON INGREDIENTS

**Chemical nature**

Nonwoven webs composed of glass fibers oriented in a random pattern and bonded together with a modified urea formaldehyde resinous binder in a wet laid process. The sized glass fibers in these mats provide excellent mat strength and flexibility.

**Hazardous components**

Non-hazardous according to 29 CFR 1910.1200, when used as intended.

## 4 FIRST-AID MEASURES

**General advice:** Get medical attention if symptoms occur. Irritation may occur due to the nature of the glass fibers.

**Eye contact:** Immediately flush eyes with plenty of cool water for at least 20 minutes, occasionally lifting the eye lids to ensure thorough rinsing. Get medical attention if irritation persists.

**Inhalation:** If inhalation of dust occurs, remove person to fresh air. Drink water to clear throat or blow nose to clear. If symptoms persist, call a physician.

**Skin contact:** Take off all contaminated clothing immediately. If on skin, clean any exposed skin with warm soapy water if possible.

**Ingestion:** If symptoms persist, call a physician. Rinse mouth with water to remove dust or fibers and drink plenty of water to help reduce irritation.

**Notes to physician:** Treatment should be based on removing the source of irritation with treatment of symptoms as necessary.

## 5 FIRE-FIGHTING MEASURES

**Flash point:** Non-combustible

**Fire Point:** Not detected

**Suitable extinguishing media:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water, fog and chemical means of extinguishment may be used.

**Special protective equipment for firefighters:** Wear self-contained breathing apparatus for firefighting.

## 6 ACCIDENTAL RELEASE MEASURES

**Precautions if material is spilled or released:** Avoid dust formation. Mechanical methods and materials should be used for containment and cleaning up. Pick up and arrange disposal without creating dust.

**Waste disposal methods:** It is highly recommended this product be recycled. Otherwise, dispose in accordance with applicable Federal, State, and Local regulations. Do not burn.

## 7 HANDLING AND STORAGE

**Storage temperature:** Store away from heat and all ignition sources and open flames in accordance with applicable laws and regulations. Product should not be burned or heated using a direct flame.

**Precautions to be taken in handling and storage:** Follow recommended work practices and use recommended personal protective clothing and equipment.

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Components	CAS #	OSHA		ACGIH	
		TWA	STEL	TWA	STEL
Fiberglass	65997-17-3	15 / 5 <sup>b</sup>	NE	5 <sup>b</sup>	NE
Urea Formaldehyde Binder	9011-05-6	0.75	2	NE	0.3

NE = Not Established

<sup>a</sup> = Asphalt Fume as benzene-soluble inhalable aerosol

<sup>b</sup> = Total Nuisance Dust / Respirable Dust

**Respiratory protection:** Exposure limits are not expected to be exceeded in typical applications. Normally not needed in well-ventilated areas unless cutting with power tools. When exposures may exceed any applicable exposure limits, use an appropriate NIOSH-certified respirator or dust mask.

**Ventilation:** Use only with adequate ventilation to maintain exposures below applicable exposure limits.

**Eye protection:** Safety glasses with side shields must be used when handling.

**Skin protection:** Long sleeve clothing and gloves.

**Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

**Appearance and odor:** Solid, very low odor.

**Odor threshold:** No data available

**Vapor pressure:** Not Applicable

**pH:** Not Applicable

**Specific gravity/relative density:** >1

**Vapor density (Air = 1):** Not Applicable

**Viscosity:** Not Applicable; solid

**Boiling point:** Not Applicable

**Melting point:** Not Applicable

**Solubility (IES):** No data available

**Water Solubility:** Not applicable

**Flash point:** Not Applicable

**Auto-ignition temperature:** No data available

**Evaporation rate (Butyl Acetate = 1):** Not Applicable

**Flammability (Solid and Gas):** No data available

**Initial boiling point and boiling range:** Not Applicable

**Decomposition temperature:** Not Applicable

## 10 STABILITY AND REACTIVITY

**Stability:** Stable

**Reactivity:** No decomposition if stored and applied as directed.

**Conditions to avoid:** Stable under normal storage conditions. No data on hazards to avoid.

**Hazardous reaction:** Polymerization will not occur.

**Incompatibility (materials to avoid):** No decomposition if stored and applied as directed.

**Hazardous combustion products:** No hazards to be specifically mentioned.

# 11 TOXICOLOGICAL INFORMATION

**IARC Group 3 (Continuous Filament Glass Fibers):** Not classifiable as to their carcinogenicity to humans.

**OSHA:** No component of this product is present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**NTP:** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**Eye:** May cause eye irritation.

**Skin:** May cause skin irritation.

**Inhalation:** Dust may cause upper respiratory irritation.

**Ingestion:** May cause harmful effects if swallowed.

## THE FOLLOWING COMPONENT DATA IS PROVIDED FOR USER INFORMATION:

Trace amounts of formaldehyde may be released when contacted with moisture, including humidity. This release is most prevalent in conditions of high heat and humidity. During cutting, milling or other processing of these products, particles may be generated that does not represent a health hazard if below the recommended exposure limits for particles not otherwise regulated (PNOR) (inhalable and respirable fraction). Temporary mechanical abrasion (itching).

## FORMALDEHYDE

**Cancer:** This product may contain extremely low levels of formaldehyde that are not expected to cause a health hazard under normal conditions of use. IARC and NTP have classified formaldehyde as a human carcinogen based on sufficient evidence that formaldehyde causes nasopharyngeal cancer in humans, limited evidence for cancer of the nasal cavity and paranasal in uses, and “strong but not sufficient evidence” for leukemia. The finding for leukemia reflects the epidemiologists’ finding of strong evidence in human studies coupled with an inability to identify a mechanism for induction of leukemia. The physical nature of this product may help limit any inhalation hazard from formaldehyde during application and in its hardened state.

**Acute effects:** The major acute toxic effects caused by formaldehyde exposure via inhalation are eye, nose, and throat irritation and effects on the nasal cavity. Other effects seen from exposure to high levels of formaldehyde in humans are coughing, wheezing, chest pains, and bronchitis. Ingestion exposure to formaldehyde in humans has resulted in corrosion of the gastrointestinal tract and inflammation and ulceration of the mouth, esophagus, and stomach.

**Chronic Effects:** In addition to cancer, exposure to formaldehyde by inhalation in humans has been associated with respiratory symptoms and eye, nose, and throat irritation. Repeated contact with liquid solutions of formaldehyde has resulted in skin irritation and allergic contact dermatitis in humans.

# 12 ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available.

**Persistence and degradability:** No data available.

**Bioaccumulative potential:** No data available.

**Mobility in soil:** No data available.

**Other adverse effects (GHG, Ozone):** No data available.

**Additional ecological information:** Due to the properties of the product, a hazard to the environment may not be expected.

## 13 DISPOSAL CONSIDERATIONS

This product has not been regulated as a hazardous waste by the USEPA. Recycling is recommended. Otherwise, dispose in accordance with Federal, State, and Local regulations. Do not burn. Do not dispose as sewage.

## 14 TRANSPORT INFORMATION

This product is not regulated as a hazardous material for transport under 49 CFR or for vessel transport under the IMDG Code.

**UN number:** Not applicable

**UN proper shipping name:** Not applicable

**Packing group, if applicable:** Not applicable

**Environmental hazards:** Not applicable

**Transport in bulk:** Not applicable

**Special precautions:** Not applicable

## 15 REGULATORY INFORMATION


### EPCRA - Emergency Planning and Community Right-to-Know Act CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a Section 304 EHS RQ. This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

**California Prop 65:**  **WARNING:** This product can expose you to chemicals, including bitumen, which is known to the State of California to cause cancer. For more information go to: [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

### The components of this product are reported in the following inventories:

**TSCA:** All chemical substances in this product are either listed on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.

**DSL:** All components of this product are on the Canadian DSL.

## 16 OTHER INFORMATION

### HMIS RATING

<b>HEALTH: 1</b>
<b>FLAMMABILITY: 0</b>
<b>REACTIVITY: 0</b>
<b>PERSONAL PROTECTION: B</b>



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