

# Material Safety Data Sheet

## Flexbark & Flexible Textures



REPLICATIONS  
UNLIMITED

### Section 1:

#### Product & Company Identification

**Product:** Polyurethane Elastomer used in the form of artificial bark and other flexible textures

**Product Use:** Exterior and Interior Siding Product

**Distributor:** Replications Unlimited

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### Section 2:

#### Composition Information Ingredients

The **FLEXBARK** products are produced by a reaction of a formulated polyurethane system to produce a flexible polymer composite. This composite is completely inert and harmless and has no health risks in handling.

### Section 3:

#### Physical/Chemical Characteristics

<b>Appearance &amp; odor:</b>	Solid, odorless panel, various colors
<b>Boiling Point (°F):</b>	Not applicable
<b>Vapor Pressure:</b>	0
<b>Solubility in water:</b>	0
<b>Percent Volatile by Volume:</b>	0
<b>Specific Gravity (water =1):</b>	0.6
<b>Melting point (°F):</b>	Not applicable
<b>Evaporation Rate (butyl acetate):</b>	Not applicable

### Section 4: Fire & Explosion Data

**Flash Point:** Not applicable

**Auto-ignition temperature:** 500 °F

**Extinguishing Media:** Water, CO<sub>2</sub>, or sand

**Special Procedures:** Firefighters and others who may be exposed to products of combustion should wear full protective clothing including self-contained breathing apparatus.

**Unusual fire & explosion hazard:** Sawing, sanding or machining can produce foam dust as a by-product which may present explosion hazard if a dust cloud contacts an ignition source. An airborne concentration of 40 grams of dust per cubic meter of air is often used as the LEL for foam dust.

### Section 5: Reactivity Data

**Stability:** Stable under normal conditions

**Incompatibility (Materials to avoid) :** Avoid open flame. Avoid contact with oxidizing agents. Product may auto-ignite at temperatures in excess of 450 °F.

**Hazardous decomposition products:** Thermal &/ or thermal oxidative decomposition can produce irritation & toxic fumes & gases including carbon monoxide, hydrogen cyanide.

### Section 6: Toxicity Data

**Processing Dust:** May cause nasal dryness, irritation and obstructions, coughing, wheezing, and sneezing. Sinusitis and prolonged colds have also been reported. Depending on the type, processing dust may cause respiratory sensitization and or irritation and cause a bronchitis type allergic reaction.

### Section 7:

#### Protection Information & Control Measures

**Respiratory Protection:** Dust mask, if dust exceeds allowable exposure limits wear a NIOSH/OSHA approved aspirator.

**Eye Protection:** Safety glasses or goggles

**Skin Protection:** None required (gloves optional)

**Engineering Controls:** Provide adequate general and local exhaust ventilation to most exposures.

### Section 8:

#### Precautions For Safe Handling And Use

**Release/Spill Handling:** Scrap material or dust from sawing or cutting should be handled as inert solid in the fashion of sand.

**Waste Disposal Method:** Landfill as non-hazardous waste.

**Storage:** Panels and accessories should be stored in original boxes to prevent damage or deformation of the product.

## Section 9: Health Hazard Data

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Rigid polyurethane is not considered or listed as a hazardous chemical in 29 CFR 1910 subpart Z, Product Safety Act (15 U.S.C. 2051), or the Federal Hazardous Substances Act (15 U.S.C. 1261). Foam dust may be a by product of the installation process.

Component:	acgih tlv (units)	Osha pel (units)
Processing Waste	5 mg/ cubic meter (8 hour twa)	5 mg/ cubic meter (8 hour twa)
Processing Waste	10 mg/ cubic meter (stel)	10 mg/ cubic meter (stel)

**Ingestion:** Not Applicable

**Eye Contact :** Particles & dust from cutting the panels can be abrasive to eyes similiar to sand particles.

**Skin Contact:** Dust generated from processing may evoke allergic contact dermatitis in sensitized individuals.

### EMERGENCY AND FIRST AID PROCEDURES:

**Eye Contact:** Immediately flush with copious amounts of water. Remove to fresh air. If irritation persists, get medical attention.

**Skin Contact:** Wash affected area with soap and water. If rash or persistent irritation or dermatitis occurs seek medical attention.

**Inhalation:** Remove to fresh air. If persistent irritation, severe coughing or breathing difficulty occurs, seek medical attention.

**Ingestion:** Not applicable.