

## 1 IDENTIFICATION

- **Product identifier**
- **Trade name:** AZEK<sup>®</sup> Fill & Flex
- **Relevant identified uses of the substance or mixture.** Adhesive
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
AZEK Building Products  
888 North Keyser Avenue  
Scranton PA 18504
- **Information department:** Environment protection department.
- **Emergency telephone number:**  
ChemTrec: Day or Night within USA and Canada: 1-800-424-9300.  
Outside USA and Canada: +1 703-527-3887 (collect calls accepted)

## 2 HAZARD(S) IDENTIFICATION

- **Classification of the substance or mixture**



GHS08 Health hazard

Repr. 1B H360 May damage fertility or the unborn child



GHS07

Skin Sens. 1 H317 May cause an allergic skin reaction

- **Label elements**
- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS)
- **Hazard pictograms**



GHS08



GHS07

- **Signal word** Danger
- **Hazard statements**  
May cause an allergic skin reaction  
May damage fertility or the unborn child
- **Precautionary statements**  
Avoid breathing dust/fume/gas/mist/vapors/spray  
Wear protective gloves.  
Contaminated work clothing must not be allowed out of the workplace.  
Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Specific treatment (see on this label).  
Wash contaminated clothing before reuse.

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- **Precautionary statements**  
IF exposed or concerned: Get medical advice/attention.  
If skin irritation or rash occurs: Get medical advice/attention.  
If on skin: Wash with plenty of water.  
Store locked up.  
Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



Health = 2  
Fire = 3  
Reactivity = 2

- **HMIS-ratings (scale 0-4)**



Health = 2  
Fire = 3  
Reactivity = 2

- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable
- **vPvB:** Not applicable

**3 COMPOSITION/INFORMATION ON INGREDIENTS**

- **Chemical characterization: Mixtures**
- **Description:** Mixture
- **Hazardous components:**

13463-67-7	titanium dioxide	2.5-10%
1760-24-3	N-(3-(trimethoxysilyl) propyl) ethylenediamine	≤1.0%
22673-19-4	Dibutyltin bis (acetylacetonate)	≤0.5%
14808-60-7	Quartz (SiO <sub>2</sub> )	≤0.1%

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#### 4 FIRST-AID MEASURES

- **Description of first aid measures**
- **After inhalation:**  
Supply fresh air or oxygen; call for doctor.  
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**  
Rinse opened eye for 20 minutes under running water. If eye becomes irritated, obtain medical treatment.
- **After swallowing:**  
Rinse out mouth with water. Drink 1 - 2 glasses of water but DO NOT induce vomiting. Do not give liquids to a drowsy, convulsing or unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.  
Seek medical treatment.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

#### 5 FIRE-FIGHTING MEASURES

- **Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** Protective clothing and respiratory protective device.

#### 6 ACCIDENTAL RELEASE MEASURES

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.  
Ensure adequate ventilation
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose of contaminated material as waste in accordance with federal state and local regulations.  
Ensure adequate ventilation.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

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## 7 HANDLING AND STORAGE

- **Handling:**
- **Precautions for safe handling**  
Avoid prolonged or repeated contact with skin.  
Avoid contact with eyes.  
Wash thoroughly after handling.  
Ensure good ventilation/exhaustion at the workplace  
Open and handle receptacle with care  
Prevent formation of aerosols.
- **Information about protection against explosions and fires:**  
Keep container closed when not in use.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
Store in a cool location away from direct heat
- **Information about storage in one common storage facility:**  
Store away from oxidizing agents.
- **Further information about storage conditions:**  
Protect from heat and direct sunlight  
Keep receptacle tightly sealed.
- **Specific end use(s) No further relevant information available.**

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

- **Additional information about design of technical systems:** No further data see item 7:
- **Control partners**
- **Components with limit values that require monitoring at the workplace:**  
**13463-67-7 titanium dioxide**  
PEL Long-term value: 15\* mg/m<sup>3</sup> (\*total dust)  
REL See pocket guide APP. A  
TVL Long-term value: 10 mg/m<sup>3</sup>  
withdrawn from NIC  
**14808-60-7 quartz (SiO<sub>2</sub>)**  
PEL see Quartz listing  
REL Long-term value 0.05\* mg/m<sup>3</sup>  
\*respirable dust; See Pocket Guide App. A  
TVL Long-term value 0.025\* mg/m<sup>3</sup>  
\* as respirable fraction

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- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment (see listings below)**
- **General protective and hygienic measures:**  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing.  
Wash hands before breaks and at the end of work.  
Store protective clothing separately
- **Breathing equipment:**  
Use approved respiratory protection equipment when airborne exposure is excessive. Consult the respirator manufacturer to determine the appropriate type of equipment for a given application.  
Observe respirator use limitations specified by the manufacturer.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

- **Material of gloves**  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
- **Penetration time of glove material**  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Safety glasses with side shields.



Tightly sealed goggles

Use full-face shield over protective eye wear when there is a risk of a splash

- **Body protection:** Protective work clothing

## 9 PHYSICAL AND CHEMICAL PROPERTIES

- **Information on basic physical and chemical properties**
- **General information**
- **Appearance**  
Form: Liquid  
Color: Not determined
- **Odor:** Characteristic
- **Odour threshold** Not determined
- **pH-value:** Not determined

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- **Change in condition**
  - Melting point:** Undetermined
  - Boiling point:** Undetermined
- **Flash point:** >93°C (>199°F)
- **Flammability (solid, gaseous):** Not applicable
- **Ignition temperature:**
- **Decomposition temperature:** Not determined
- **Auto igniting:** Product is not self-igniting
- **Danger of explosion:** Product does not present an explosion hazard
- **Vapor pressure:** Not determined
- **Specific gravity at 20°C (68°F):** 1.6 g/cm<sup>3</sup> (13.352 lbs/gal)
- **Relative density:** Not determined
- **Vapour density:** Not determined
- **Evaporation rate:** Not determined
- **Solubility in /Miscibility with Water:** Not miscible or difficult to mix
- **Partitiion coefficient (n-octanol/water):** Not determined
- **Viscosity**
  - Dynamic:** Not determined
  - Kinematic:** Not determined
- **Solvent content**
  - Organic solvents:** 0.0%
- **Other information:** No further relevant information available

**10 STABILITY AND REACTIVITY**

- **Reactivity:** No further relevant information available
- **Chemical stability:**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known
- **Conditions to avoid:** No further relevant information available
- **Incompatible materials:** No further relevant information available
- **Hazardous decomposition products:** Carbon monoxide and carbon dioxide

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## 11 TOXICOLOGICAL INFORMATION

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **On the skin:** May irritate the skin.
- **On the eye:** May irritate the eye.
- **Sensitization:**  
Skin contact - May cause allergic skin reaction  
No sensitizing effects known
- **Additional toxicological information:**  
The product shows the following dangers according to internally approved calculation methods for preparations: Irritant
- **Carcinogenic categories**
- **IARC (International Agency for Research on Cancer)**

13463-67-7	titanium dioxide	2B
14808-60-7	quartz (SiO <sub>2</sub> )	1
- **NTP (National Toxicology Program)**

14808-60-7	quartz (SiO <sub>2</sub> )	K
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- **OSHA-Ca (Occupational Safety & Health Administration)**  
None of the ingredients is listed

## 12 ECOLOGICAL INFORMATION

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Harmful to fish
- **Additional ecological information:**
- **General notes:** At present there are no ecotoxicological assessments.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

## 13 DISPOSAL CONSIDERATIONS

- **Waste treatment methods**
- **Recommendation:** Must be specially treated adhering to official regulations.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

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#### 14 TRANSPORT INFORMATION

- **UN-Number**
- **DOT, ADR, IMDG, IATA** Not regulated
- **UN proper shipping name**
- **DOT, ADR, IMDG, IATA** Not regulated
- **Transport hazard class(es)**
- **DOT, ADR, ADN, IMDG, IATA**
- **Class** Not regulated
- **Packing group**
- **DOT, ADR, IMDG, IATA** Not regulated
- **Environmental hazards:** Not applicable
- **Special precautions for user** Not applicable
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.
- **UN "Model Regulation":** -

#### 15 REGULATORY INFORMATION

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**
- **Section 355 (extremely hazardous substances):**  
None of the ingredients is listed.
- **Section 313 (Specific toxic chemical listings):**  
80-62-6 methyl methacrylate
- **TSCA (Toxic Substances Control Act)**  
All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements
- **Proposition 65**
- **Chemicals known to cause cancer:**  
13463-67-7 titanium dioxide
- **Chemicals known to cause reproductive toxicity:**  
None of the ingredients listed
- **(DSL) Canada Domestic Substance List**  
All components of this product are on the DSL (Canada Domestic Substance list) or are exempt from DSL requirements.
- **Carcinogeny categories**
- **EPA (Environmental Protection Agency)**  
None of the ingredients listed



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- **TLV (Threshold Limit Value established by ACGIH)**

13463-67-7	titanium dioxide	A4
14808-60-7	quartz (SiO <sub>2</sub> )	A2
- **MAK (German Maximum Workplace Concentration)**

13463-67-7	titanium dioxide	3A
14808-60-7	quartz (SiO <sub>2</sub> )	1
- **NIOSH-Ca (National Institute for Occupational Safety and Health)**

13463-67-7	titanium dioxide	
14808-60-7	quartz (SiO <sub>2</sub> )	
- **National regulations:**
- **Water hazard class:** Water hazard class 1 (self-assessment): slightly hazardous for water.
- **Chemical safety assessment:** A chemical safety assessment has not been carried out.

**16 OTHER INFORMATION**

- Although the information and recommendations set forth in this SDS are presented in good faith and are believed to be correct as of the date of this SDS, AZEK® Building Products makes no representations as to the completeness or accuracy thereof. Information is supplied on the condition that the persons receiving and using it will make their own determination as to the suitability for their purpose prior to use. In no event will AZEK® Building Products or any affiliate thereof be responsible for damages of any nature whatsoever resulting from the use or reliance on the information set forth in the SDS.
- **Department issuing SDS: Environment protection department.**
- **Creation Date: 06/10/2015**
- **Date of preparation / last revision 06/10/2015 / -**
- **Abbreviations and acronyms:**  
 ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
 IMDG: International Maritime Code for Dangerous Goods  
 DOT: US Department of Transportation  
 IATA: International Air Transport Association  
 ACGIH: American Conference of Governmental Industrial Hygienists  
 EINECS: European Inventory of Existing Commercial Chemical Substances  
 ELINCS: European List of Notified Chemical Substances  
 CAS: Chemical Abstracts Service (division of the American Chemical Society)  
 NFPA: National Fire Protection Association (USA)  
 HMIS: Hazardous Materials Identification System (USA)  
 PBT: Persistent, Bioaccumulative and Toxic  
 vPvB: very Persistent and very Bioaccumulative  
 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1  
 Repr. 1B: Reproductive toxicity, Hazard Category 1B