

## PRODUCT SAFETY DATA SHEET COSTAR TILE FIX 20 FLEX

### Section 1 - Product Identification

**IDENTITY:** Product Name: Costar Tile Fix 20 Flex  
 Chemical Characterization: Cement, sand, additive – Powder  
 Product Use Description: For use as a high strength Tile Adhesive.

### Section 2 - Hazards Identification

**GHS Classification:**

**Skin irritation, Category 2 H315:** Causes skin irritation  
**Serious eye damage, Category 1 H318:** Causes serious eye damage  
**Respiratory system; Category 3 H335:** May cause respiratory irritation  
**Carcinogenity, Category 1A H350:** Likelihood of Cancer as an adverse effect can be considered.

**GHS Label element:  
 Hazard Pictograms**



**Signal Word:** Danger

**Response:**

P302 + P352: in situation of SKIN CONTACT, rinse thoroughly with a generous amount of water.  
 P304 + P340: IF INHALED, move the affected person to an area with fresh air and have them remain at rest in a comfortable position that allows for normal breathing  
 P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P308 + P313 IF skin irritation occurs” Get medical advice/attention.

**Storage:**

P405: Store in a well-ventilated place. Store in original sealed packaging.

**Disposal:**

P501: Dispose of contents/container to an approved waste disposal site.  
 P502: Refer to manufacturer/supplier for information on recovery/recycling.

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### Section 3 - Composition / Information on Ingredients

Texture: Smooth

Nature of ingredients: Polymer Modified Cement, sand, & additive.

Form: Powder

Color: Gray

Odor: None

(There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence not require reporting in this section.)

### Section 4 - First Aid Measure

**General advice:** Contaminated clothing should be immediately removed while first aid personnel should also pay attention to their own safety.

**If inhaled:** Move affected person to fresh air and seek medical attention when difficulties is observed after vapor/aerosol.

**In case of skin contact:** After contact with skin, wash immediately with plenty of water and soap. Under no circumstances should organic solvent be used. If irritation develops, seek medical attention.

**In case of eye contact:** Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

**If swallowed:** Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention. Do NOT induce vomiting

### Section 5 - Fire Fighting Measures

**Specific hazards:** Material is non-flammable.

**Special Fire Fighting Procedures:** In case of any fire, wear full protective gear and NIOSH-approved self-contained breathing apparatus with full face-piece. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapor or products of combustion is evident.

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### Section 6 - Accidental Release Measures

**Personal-related Safety Precautions:** Avoid eye and skin contact. Do not breathe sprayed vapor or mists. Wear eye/face protection. If exposed to high vapor concentration, exit area immediately. Ensure to Use personal protective clothing while Handling product in accordance with good building materials hygiene and safety practice.

**Environmental precautions:** Ensure not to allow product get to drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.

**Methods for Cleaning up:** Gather gently without raising dust of the spilled material. Absorbent material (e.g. cloth, fleece) can be used to gather spilled material as well. Keep in suitable, closed containers for disposal.

### Section 7 - Handling and Storage

**Handling:** Avoid exposure -. Avoid skin and eyes contact by preventing exposure. Obtain special instructions before use and avoid Smoking, eating and drinking in the application area. Dispose of rinse water in accordance with local and national regulations. Persons susceptible to skin sensitization problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

**Storage:** Store in a cool, dry well-ventilated place and out of direct sunlight in original sealed containers. No special measures required against explosion and fires as product is not explosive. Store away from foodstuffs. keep containers closed when not in use – check regularly for leaks.

### Section 8 - Exposure Controls / Personal Protection

**Eye protection:** Safety glasses with side-shields (frame goggles) (e.g. EN 166) Hand protection Remarks: Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) etc. Manufacturer's directions for use should be observed because of great diversity of types.

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**Skin and body protection:** Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

Respiratory protection: Wear respiratory protection if ventilation is inadequate.

Combination filter for gases/vapours of organic, inorganic, acid inorganic and alkaline compounds (e.g. EN 14387 Type ABEK).

**Protective measures:** Do not inhale gases/vapours/aerosols. Avoid contact with the skin, eyes and clothing. Avoid exposure - obtain special instructions before use. Handle in accordance with good building materials hygiene and safety practice. Wearing of closed work clothing is recommended

### Section 9 - Physical and Chemical Properties

**Physical State:** Powder

**Appearance/Color:** Cement (gray)

**Odor:** Weak, characteristic

**Solubility in water:** Fully miscible

**Boiling Point:** N/A

**Melting Point:** N/A

**Flash Point:** Not combustible

**Auto ignition:** N/A

**VOC Concentration:** 0 g/l

Density 20° C ~ 2.10 kg/l

PH value 12 + 1.0

Thermal decomposition 550 ° C

Hazardous decomposition products CaO

Hazardous Reactions Exothermic reaction with acids

### Section 10 - Stability and Reactivity

**Chemical Stability:** Stable under normal temperatures and pressures.

**Conditions to Avoid:** Avoid contact with humidity. Product hydrates (hardens) and becomes unusable.

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**Hazardous Decomposition Products:** No decomposition if used according to specifications.

Hazardous Polymerization: Will not occur.

Incompatibilities: None known.

### Section 11 - Toxicological Information

#### Acute Inhalation Toxicity:

Product	Type	Value
Silica, crystalline quartz	LC50	no data available
Portland cement	Lc50	no data available

#### Acute Oral Toxicity:

Silica, crystalline quartz	LC50 (Oral)	1,300 mg/kg
Portland cement	LC50 (Oral)	2,000 mg/kg
Acute Dermal Toxicity		
Silica, crystalline quartz	LC50 (Dermal)	no data available
Portland cement	LC50 (Dermal)	no data available

#### Primary Irritant Effect:

- On the skin: Irritant for skin and mucous membranes
- On the eye: Irritant effect
- Sensitization: No sensitizing effect known

### Section 12 - Ecological Information

Ecological Information: The unused product is slight water pollutant. Large quantities may be toxic to fish. Do not allow undiluted product or large quantities to reach into waterways or drain.

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### Section 13 – Disposal Considerations

**Waste Disposal Method:** Dispose of in a manner consistent with federal, state and local regulations. Do not dispose together with household garbage. Do not allow product to reach sewage system.

**Unused Residue or Dry Spillage:** Pick up dry spilled product material using absorbent material (e.g. cloth, fleece). Keep in suitable, closed containers for disposal. Reuse spilled is Possibly depending on amount of contamination. In case of disposal, harden with water and dispose in accordance to local regulations.

**Slurries:** Allow to harden and dispose in accordance to local regulations.

**Container disposal:** Dispose as special waste: mixture of water and hydrocarbons.

### Section 14 – Transport Information

RCRA Hazard Class: Non-hazardous

### Section 15 – Regulatory Information

**Poisons Schedule (Aust):** Not applicable.

**SARA Section 313 Notification:** This product does not contain any ingredients regulated under Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 or CFR 372.

**CERCLA:** No CERCLA chemicals exist in this product above reportable concentrations.

**TSCA Section 12(b) Export Notification:** There are no reportable TSCA 12(b) Chemicals in this product.

State Regulations:	<u>State RTK</u>	<u>CAS Number</u>	<u>Chemical Name</u>
	MA, NJ, PA	65997-15-1	Cement, Portland, chemicals
	MA, NJ, PA	14808-60-7	Silica, crystalline quartz

**California Proposition 65:** Warning – This product contains a chemical known to the State of California to cause cancer, birth defects, or other reproductive harm:

**CAS 14808-60-7:** Silica, crystalline quartz.

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### Section 16 – Other information

(Hazard Rating: 0 = Minimal; 1 = Slight; 2 = Moderate; 3 = Serious; 4 = Severe; \* = Chronic)

**HMIS III rating:**

**Health:** 3\* **Flammability:** 0 **Physical hazard:** 0

Abbreviations and acronyms:

**USDOT:** United States Department of Transportation.

**IMDG:** International Maritime Code for Dangerous Goods.

**IATA:** International Air Transport Association.

**CAS:** Chemical Abstracts Service (Division of the American Chemical Society).

**LC50:** Lethal concentration, 50 percent.

**LD50:** Lethal dose, 50 percent.

SDS prepared by: Costar product safety department

### LEGAL NOTE:

Costarchem products are manufactured and sold in line with standard terms and conditions.

The details based on application and end- use of our products are given to our best technical knowledge, as this takes into note the handling, storage and application process which should be in accordance with Costar's stipulations.

While Costar ensures that product application advice or recommendations it gives is accurate because it has no direct or continuous control over where or how its products are applied, cannot accept any liability either directly or indirectly arising from the use of its products.

The user is responsible for checking and testing the suitability of products for their intended application and purpose and use.

The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery.

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