



SAFE USE INSTRUCTION SHEET

Creation Date: 08/2026

Version: 2

0. GENERAL INFORMATION

This Safe Use Instruction Sheet is the document provided by Armor to communicate recommended safe handling and use instructions for manufactured articles neither regulated by OSHA Hazard Communication Standard (29 CFR § 1910.1200), as amended in the final rule published May 20, 2024. nor by the Canadian Hazardous Products Regulations (SOR/2015-17), last amended December 15, 2022

1. IDENTIFICATION

Product Name	Fireclay Brick, Red Shale Brick, PENNCHEM™ Tile
Synonyms	Structural Glazed Tile (for PENNCHEM™ Tile)
Recommended Use	For professional use only Chemical protection lining
Manufacturer Address	Armor Limited, Inc. 2410 US-15 South Sumter, SC 29150
Company Phone Number	+1-877-982-7667 Toll Free Number, +1-601-414-9199 International Toll Free Number
Company Website	armor-inc.com

2. HAZARDS IDENTIFICATION

Regulatory Status	This product is considered an article. 29 CFR 1910.1200(c) definition of an article is as follows: "Article" means a manufactured item other than a fluid or particle: (i) which is formed to a specific shape or design during manufacture; (ii) which has end use function(s) dependent in whole or in part upon its shape or design during end use; and (iii) which under normal conditions of use does not release more than very small quantities, e.g., minute or trace amounts of a hazardous chemical (as determined under paragraph (d) of this section), and does not pose a physical hazard or health risk to employees This product is considered an article per the Canadian Hazardous Products Regulation SOR/2015-17 Manufactured articles which meet the definition of the Canadian Hazardous Products Act (any article that is formed to a specific shape or design during manufacture, the intended use of which when in that form is dependent in whole or in part on its shape or design, and that, when being installed, if the intended use of the article requires it to be installed, and under normal conditions of use, will not release or otherwise cause an individual to be exposed to a hazardous product) are not regulated by the Canadian Hazardous Products Regulation SOR/2015-17
Other Information	May cause temporary skin and mucous membranes itching due to the mechanical abrasion effect of aluminum silicates.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Brick and tile dust may contain crystalline silica.

4. FIRST AID MEASURES

Eye contact	• Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician
Skin contact	• Wash skin thoroughly with soap and water
Inhalation	• Remove to fresh air
Ingestion	• Rinse mouth with water and drink water to remove glass particles from the throat

5. FIRE-FIGHTING MEASURES

Flammable properties	• Non-combustible
Suitable extinguishing media	• Use extinguishing measures that are appropriate to local circumstances and the surrounding environment
Protective equipment and precautions for firefighters	• As in any fire, wear self-contained breathing apparatus (positive-pressure), MSHA/NIOSH (approved or equivalent) and full protective gear

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	• Do not get in eyes, on skin, or on clothing • Do not breathe dust • Avoid creating dust
Methods for cleaning up	• Take up mechanically, placing in appropriate containers for disposal • Avoid creating dust • Use personal protective equipment as required • Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry • Clean contaminated surface thoroughly

7. HANDLING AND STORAGE

Precautions for safe handling	• Avoid creating dust especially when cutting • Wash thoroughly after handling
Storage Conditions	• If storing for long periods, protect product from weather
Incompatible materials	• None known based on information supplied

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical name	ACGIH TLV	OSHA PEL	NIOSH REL
Aluminum Silicates	10mg/m ³ (inhalable particles)	15mg/m ³ (total particulate); 5mg/m ³ (respirable fraction)	-
Crystalline Silica	TWA: 0.025 mg/m ³	TWA: 0.05 mg/m ³	-

Engineering Controls	• Showers • Eyewash stations • Ventilation systems
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Individual protection measures, such as personal protective equipment

Eye/face protection	• Wear safety glasses with side shields (or goggles)
Skin and body protection	• Wear protective gloves • Wear long-sleeved shirt and long pants
Respiratory protection	• When workers are facing concentrations above the exposure limit they must use appropriate certified respirators in accordance with their company's respiratory protection program, local regulations or 29 CFR 1910.134 • A properly fitted NIOSH approved disposable N 95 type dust respirator or better is recommended
General Hygiene Considerations	• Do not eat, drink or smoke when using this product • Wash face, hands and any exposed skin thoroughly after handling

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Solid
Appearance	Brick, Tile
Odor	Odorless

Color	Red, Beige and Tan
Water solubility	Insoluble in water
Bulk Density	No data available for Brick, >120 lb/ft ³ for Tile

10. STABILITY AND REACTIVITY

Stability	• Stable
Possibility of Hazardous Reactions	• None under normal processing conditions
Hazardous Decomposition Products	• None under normal use conditions

11. TOXICOLOGICAL INFORMATION

Product Information	No data available
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12. ECOLOGICAL INFORMATION

This product is not expected to be hazardous for the environment

13. DISPOSAL CONSIDERATIONS

Disposal should be in accordance with applicable regional, national and local laws and regulations

14. TRANSPORT INFORMATION

This material is not subject to regulation as a hazardous material for shipping

15. REGULATORY INFORMATION

International Inventories	This product is classified as an article. Articles are exempted from registration or listing under chemicals inventories like TSCA (USA), DSL/NDL (CAN), REACH (EU), ENCS (JP), IECSC (CN), KECL (KR), PICCS (PH), AICS (AUS)
California Proposition 65	This product does not contain any Proposition 65 chemicals

16. OTHER INFORMATION

Creation Date	08/2026
Revision Note	This product has been reclassified as an article (see section 2). Articles are not required to have a safety data sheet, so a safe use instruction sheet (SUIS) is provided to our customers.
Disclaimer	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

End of Safe Use Instruction Sheet