



MATERIAL SAFETY DATA SHEET

Date Prepared 9/29/06

1. Chemical Product and Company Information

Product name Glazed Porcelain Tile

Company Information

**Florida Tile
1247 Alton Rd.
Lawrenceburg, KY 40342
502-839-6911**

**Emergency Contact Information
502-839-6911**

**Regulatory Information
502-839-6911 EXT 238**

2. Composition/Ingredient Information

Hazardous Constituents

N/A

Non Hazardous Constituents

Composition	CAS Number	Approximate Percent by Weight
SiO ₂	14808-60-7	55 – 70 %
Al ₂ O ₃	1344-28-1	15 – 24%
Fe ₂ O ₃	1309-37-1	1 – 3 %
CaO	1305-78-8	1 – 3 %
Na ₂ O ₃		3 – 7 %
K ₂ O	12136-45-7	1 – 3 %
MgO	1309-48-4	.5 – 2 %
TiO ₂	1317-80-2	.5 – 2 %



3. Hazards Identification

There are no known hazards physical associated with the use Glazed Porcelain Tile.

4. Health Hazards

Potential Health Effects

This material as packaged should pose no health hazards. During installation and while cutting the tiles to size the following possible health effects could occur.

Eyes Dust and small shards of tile could cause eye irritation and possible eye injury if Personal Protective Equipment, PPE, is not worn properly. Refer to the PPE section for PPE requirements.

Skin Dust and sharp edges generated during installation could cause irritation and lacerations if proper PPE is not worn. Refer to the PPE section for PPE requirements.

Ingestion Ingestion of small amounts of dust should not cause harmful effects. Larger pieces could damage the intestinal tract and therefore any area where tiles are being prepared for installation should be thoroughly cleaned to prevent the ingestion of shards or larger pieces and to minimize the ingestion of dust prior to food being brought into the area. Any food in the area during installation should be discarded to prevent possible ingestion of glazed porcelain shards or pieces.

Inhalation Inhalation of dust generated during installation could cause upper respiratory tract irritation and in rare cases allergic/asthmatic reactions. To prevent inhalation engineering controls should be installed whenever practicable and ventilation maximized. If engineering controls are not available or practicable proper PPE should be worn at all times when glazed porcelain tile dust is present.

5. Fire Fighting Measures

Glazed Porcelain Tile is not flammable under normal circumstance so any fire fighting measures should be tailored to the materials around the tile. This includes the cardboard packaging materials and any other shipping containers the tile is received in.



6. Accidental Release Measures

Glazed Porcelain Tile does not in itself present any dangers during an accidental release save the possibility that the tile could bury workers. There are no known environmental risks should the tile enter the environment. Spilled and broken tile should be disposed of as per local regulations for standard trash in a lined landfill.

7. Handling and Storage

Care should be taken during the handling and storage of Glazed Porcelain Tile due to the high density of the materials. Each package weighs in excess of 45 lbs., (20 KG). No more than one package should be transferred at a time to prevent personal injury. When being handled at low temperatures, 50F, (10 C), the tile can become brittle and crack and chip more easily than under normal conditions. Extra care should be taken in the handling of the tile in these conditions. When storing on shelves or racks the density of the tile should be taken into account prior to storing to prevent the overloading of the shelf unit.

8. Exposure Controls/Personal Protection

During storage and transport Glazed Porcelain Tile should pose no unusual risk to personal safety. During installation when the tile is cut and formed there are risks to personal safety. To minimize these risks the following minimum engineering controls and PPE are recommended.

Engineering Controls

Engineering controls in the form of ventilation and dust control should be implemented when installing Tile. This includes using a wet saw when cutting tile to size, opening windows, and positioning ventilation fans to disperse the dust generated during installation. The main hazard of Glazed Porcelain Tile to personnel is through inhalation and lacerations from sharp newly cut edges. The use of properly maintained and serviced cutting equipment and PPE should minimize these risks.

Personal Protection Equipment, PPE

Personal Protection Equipment or PPE should be worn at all times when installing Glazed Porcelain Tile. The main risks associated with the installation of Tile are due to the dust and sharp edges generated while cutting and shaping the tile to size. To minimize these hazards the following PPE should be worn when performing the listed tasks.



Cutting, Shaping

Safety Goggles, Dust Masks, Leather Gloves, and safety shoes with steel toes and metatarsal protection.

Installing/Positioning

Safety Glasses, Dust Masks, Leather Gloves, and safety shoes with steel toes and metatarsal protection.

Carrying/Stacking

Leather Gloves and Safety Shoes with steel toes and metatarsal protection.

9. Physical and Chemical Properties

Glazed Porcelain Tile is inert under normal conditions.

Boiling Point N/A

Vapor Pressure N/A

State Solid

Color Various

Odor N/A

pH N/A

10. Stability and Reactivity

This material is stable and not readily reactive with most solvents, acids, or caustics.

11. Toxicological Information

No Data

12. Ecological Information

No Data



13. Disposal Consideration

Dispose of in accordance with all federal, state, and local regulations.

14. Transport Information

This material is not regulated by US DOT or Canadian TDG regulations.

15 Regulatory Information

This material is not regulated under any of the following federal regulations;

TSCA
CERCLA
SARA 302, 313