

Material Safety Data Sheet

Section 1 Chemical Identification

Manufacturer: ICT Tile Mexico SA de CV
Roble 17
Dolores Hidalgo, GTO Mexico 37800

Date: March 22, 2011

Product Name: Ceramic Floor Tile

Point of Contact: Penny Baker
52 418 182 4761

Section 2 Hazardous Ingredients

Ingredient	Percentage	PEL	TLV	Comments	Carcinogen
Manganese	1.0	5 mg/m ³	5mg/m ³		No
Calcium Carbonate	< 1.0	15 mg/m ³ 5 mg/m ³	10 mg/m ³	Total Dust Respirable Dust	No
Barium	<1.0	0.5 mg/m ³	0.5 mg/m ³		No
Crystalline Silica*	20 - 25	30 mg/m ³ 0.1 mg/m ³	0.1 mg/m ³	Total Dust Respirable Dust	Yes

* Crystalline Silica is a known carcinogen to the State of California.

Note: Crystalline Silica is inherent in the shale and sand used to produce ceramic tile. Further the glazed ceramic tile surface may contain trace amounts (< 0.1%) of cadmium, zinc, chromium and other compounds.

COMPOSITION/INFORMATION ON INGREDIENTS

Tile products are mixtures of predominately Clays and other naturally-occurring mineral, that have been mixed with

water and fired in a high temperature kiln.

Tiles are manufactured in various shapes, sizes, and colors.

These products do not contain asbestos.

Under normal condition these products do not release hazardous materials after installation and are not considered hazardous waste should disposal be necessary..

Section 3
Physical Data

Boiling Point (F): N/A	Percent Volatile by Volume: N/A
Vapor Pressure: N/A	Evaporation Rate: N/A
Solubility in Water: Insoluble	pH: N/A
Specific Gravity: N/A	Flashpoint: N/A

Appearance and Odor: Glaze surface varies. Body is brown to rust color with no distinguishable odor.

Section 4
Fire and Explosion Data

Flashpoint:	N/A	Lower Explosion Limit:	N/A
Flammability Class:	Non combustible	Upper Explosion Limit:	N/A
Extinguishing Media:	Water		

Fire Fighting Procedures: No special procedures are required. As in all fires, fire fighters should wear SCBA and full protective clothing.

Unusual Fire and Explosion Hazards: This product will not burn. Use appropriate techniques to fight surrounding fire.

Section 5
Health Hazard Information

Routes of Exposure: Inhalation, Ingestion and Absorption

Acute Effects: Manganese and barium are considered to be potentially poisonous to humans, if sufficient quantities are ingested. However, the concentration of these elements in the ceramic tile is well below the reported LD_{Lo} and LD₅₀ concentrations. Some skin irritation may occur from contact with the clay powder resulting from tile cutting operations.

Chronic Effects: Crystalline silica is a known carcinogen and produces a condition known as silicosis in humans.

First Aid Procedures:

- Eyes: Rinse eyes with clean water for at least 15 minutes. If irritation persists seek medical attention.
- Skin: Wash hands thoroughly with soap and water after handling.
- Inhalation: If a cough develops the individual should seek medical attention.
- Ingestion: Seek medical attention if nausea develops
- Absorption: If irritation or blebs develops under sores or wounds seek medical attention.

Personal Protective Equipment Requirements

- Skin: Water proof or water resistant gloves should be worn when installing ceramic tile.
- Eye: Protective glasses should be worn when cutting ceramic tile.
- Respiratory: A dusk mask should be worn when dry cutting ceramic tile. If work activities will cause a dust cloud than a N95 or N100 rated respirator should be worn.

Section 6 Reactivity Data

Stability: This is a stable material

Hazardous Polymerization: Will not occur

Incompatibilities: None known

Instability Conditions: None known

Decomposition Temperature: Not Established

Decomposition Products: None known

<p style="text-align: center;">Section 7 Spill or Leak Procedures</p>

Spill or Leak Procedures: Not applicable

Waste Disposal Methods: Scrap ceramic tile should be disposed of in accordance with applicable state and local regulations. Scrap ceramic tile is not a hazardous waste under U.S. E.P.A. regulations.