



Material Safety Data Sheet

MANHATTAN

Product Ceramic wall tile, glazed

1. Chemical Product and Company Information

Manufacturer's name Novabell S.p.A. Ceramiche Italiane
via Molino 1, 42014 Roteglia RE, Italy

Emergency telephone number +39 0536 861 111

Information telephone number +39 0536 861 111

2. Ingredient Information

composition	CAS #	percentage per weight (range)
SiO ₂	14808-60-7	55 – 70 %
Al ₂ O ₃	1344-28-1	15 – 20 %
Fe ₂ O ₃	1309-37-1	0.5 – 3 %
TiO ₂	1317-80-2	0.5 – 2 %
CaO	1305-78-8	3 – 5 %
MgO	1309-48-4	2 – 4 %
Na ₂ O	1313-59-3	1 – 5 %
K ₂ O	12136-45-7	1 – 4 %

3. Physical/Chemical Information

Boiling point N/A
 Vapor Pressure N/A
 Vapor Density N/A
 Solubility in Water INSOLUBLE
 Specific Gravity N/A
 Melting point >2100° F
 Evaporation rate N/A
 Appearance solid, odorless, color vary

3.1 Hazard Identification

Porcelain tile are blend of clays, silica sands and other minerals mixed with water and fired at high temperatures. The tiles are stable, non-flammable, with no distinguishable odor and pose no hazard to health. Eye and respiratory protection may be needed to prevent excess exposure to dust if dry cutting the tile (not recommended) or tile removal (breackage). Hands and feet protection are recommended as well.

3.2 Potential Health Effect

Route of exposures: None for intact tiles
 Symptoms Inhalation: mild irritation of nose and throat
 (caused by the dust produced while cutting/breacking the tile)
 Eye: mild irritation of eyes
 (caused by the dust produced while cutting/breacking the tile)
 Acute effects: No acute effects known for intact tiles exposure
 Chronic effects: No chronic effects known for intact tiles exposure
 Carcinogen status: Respirable Crystalline silica is classified as carcinogenic to humans: use of respiratory protection is suggested if cutting, removing or breaking tiles

4. First Aid



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Eye irritation: flush eyes immediately with water for 15 minutes. Contact physician if irritation persist
 Inhalation: provide fresh air and oxygen if breathing is difficult. Call physician if difficulty persist
 Skin irritation: wash after working with tiles

5. Fire Fighting Measures

Flammability class NON FLAMMABLE – NON COMBUSTIBLE
 Flashpoint N/A
 extinguishing media WATER

6. Accidental Release Measures

Porcelain tile does not present any danger if released accidentally. Spilled and broken tile should be dense (heavy) material. If cutted/broken must be disposed as per local regulations (standard trash)

7. Handling and Storage

If tile are intact no particular attention is requested beside the attention needed to handle a very eye/respiratory/hand protections.
 Store in dry area.

8. Exposure controls/personal protection

Eye protection: use dust proof glasses. Do not wear contact lenses on job site.
 Respiratory protection: keep adequate ventilation. Use particulate respirator (NIOSH/MSHA) if cutting/breaking tiles
 Skin protection: wear gloves while cutting/breaking tiles

9. Physical and Chemical Properties

PORCELAIN TILE IS INERT

Boiling point N/A
 Vapor Pressure N/A
 State Solid
 Odor None
 pH N/A

10. Stability and Reactivity

Stability STABLE
 Polymerization N/A
 Chemical Incompatibility ACIDS

11. Ecological Information

No harmful effects on enviroment

12. Disposal Consideration

EPA WASTE CODE solid waste, either recycle/rework or landfill at approved facility

DISCLAIMER

while the information and suggestion are believed to be accurate the manufacturer makes no warranty with respect thereto and disclaim liability from reliance thereon.