

TG22 Sanded Grout, TG25 Unsanded Grout**MATERIAL SAFETY DATA SHEET****MSDS-EN-TG22/TG25-0727****Section 1 Chemical Product and Company Identification**

Product Name: TG22 Sanded Grout TG25 Unsanded Grout
Manufacturer Information: TAMMY Energy-saving Building Materials (Beijing) Co.,Ltd.
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Section 2 Composition/Information on Ingredients

TG22 Sanded Grout is a kind of chemical mixture

Material Name	CAS No.	Percentage%	EC Danger Sign
Silica Sand	14808-60-7	45-65	R20
Portland Cement	65997-15-1	20-40	R36/37/38, R41
Polymer		0-10	R36/38
Stone Powder	1317-65-3	10-15	R36/38
Pigment	1309-37-1	0-2.5	

TG25 Unsanded Grout is a kind of chemical mixture

Material Name	CAS No.	Percentage%	EC Danger Sign
Portland Cement	65997-15-1	20-40	R36/37/38, R41
Polymer		0-20	R36/38
Stone Powder	1317-65-3	30-60	R36/38
Pigment	1309-37-1	0-2.5	

See section 16 for more information

Section 3 Hazards Identification

According to the regulations, this product has not been included in the hazardous category.

Health Risk: Pathways: Inhalation, ingestion, skin and eye contact.

Hazard Description: When cement containing material mixed with water or moisture, it can produce high alkaline. Alkaline substances will cause severe burns to the eyes, cause burns to the skin and cause ulcer. When strong alkaline solution in contact with the skin, it may destroy the nerve terminals so as to cause severe chemical burn to the skin before people feel the pain.

Cement containing material may still cause irritation and allergic dermatitis until its solidification.

Physical and Chemical Hazards: When contact with steel for a long time, it may cause steel corrosion.

Section 4 First AID Measures

If there is any issues or symptoms continues, please seek medical help.

Skin Contact: Take off the contaminated clothes, wash skin with soap and water, or personal skin detergent. Do not use solvent or diluent.

Eye Contact: Hold eyelids apart, flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

Ingestion: Do not induce vomiting. Take rest and get medical attention.

Inhalation: Immediately transfer to fresh air, keep respiratory tract unobstructed. If breathing is irregular or stopped, immediate cardiopulmonary resuscitation should be given, and send to a doctor as soon as possible.

Section 5 Fire Fighting Measures

Hazardous Characteristics: N/A

Decomposition Product: N/A

Flammability Rating: Incombustible

UFL: N/A

Combustion and Explosion Hazard: Doesn't cause combustion or explosion

LFL: N/A

Fire Extinguishing Method and Fire Extinguishing Agent: Suitable for use as the fire extinguishing material.

Firefighting Precautions: Firefighter should wear protective clothing including ventilator set.

Section 6 Accidental Release Measures

Personal Precautions: Wear a dust mask and protective clothing, refer to Sections 8.

Cleaning Methods: Use dry cleaning tools to collect all the inert materials, avoid dust, and avoid contact with water. If there is no pollution to the materials, it still can be reused. Collect the materials with the shovel or appropriate tools to the appropriate container. Treat the materials according to the laws and regulations. Because this product can cause hydration reaction with water generating hard solid, so it should not be wash down directly into the sewer, which will cause sewer blockage.

Section 7 Handling and Storage

Handling Procedure: Physical clean is required after operation, then rinse thoroughly with water.

Storage Procedures: Store in a cool, dry, well-ventilated area. Protect from moisture and rain. Keep the package sealed.

Section 8 Contact Control/Personal Protection

Engineering Control: Keep well ventilation

Respiratory Protection: Wear a mask, select the appropriate respirator; Regularly check the respiratory system, lung function and skin

Eyes Protection: Wear safety glasses

Body Protection: Wear protective clothing, avoid repeated or prolonged skin contact, working clothes should be changed every day

Other Protection: Eye washer and emergency shower device are recommended

Section 9 Physical and Chemical Properties

Appearance:	Odorless white or colorful powder		
pH:	13-14 (10g/L H ₂ O)	Critical Temperature (°C) :	N/A
Melting Point (°C) :	N/A	Critical Pressure (MPa) :	N/A
Boiling Point (°C) :	N/A	The Octanol / Water Partition Coefficient Logarithms Value:	N/A
Relative Density (Water=1) :	1.1-1.4	Flash Point (°C) :	N/A
Relative Vapor Density (Air=1) :	N/A	Ignition Temperature (°C) :	N/A
Saturated Vapor Pressure (kPa) :	N/A	Upper Explosive Limit % (V/V) :	N/A
Heat of Combustion (kJ/mol) :	N/A	Lower Explosive Limit % (V/V) :	N/A
Solubility:	Slightly soluble	Other Properties:	N/A

Main Uses: Use for filling finishing material's joints.

Section 10 Stability & Reactivity

Stability: Stable under normal conditions, Keep dry before use.

Avoid Contact Conditions: This product may react with water

Incompatibility: Acid, ammonium salt, steel

Hazardous Decomposition: Non

Possibility of Hazardous Reactions: Non

Section 11 Toxicological Information

Acute toxicity: Non

Subacute and Chronic Toxicity: Non

Irritation: N/A

Sensitization: N/A

Mutagenicity: N/A

Teratogenicity: N/A

Carcinogenicity: N/A

Other: N/A

Section 12 Ecological Information

Ecological Toxicity: No risk to the environment

Environmental Stability: In water, reaction with water to generate solids

Bioconcentration or Bioaccumulation: Deposited in soil

Section 13 Disposal Considerations

Waste Type: Industrial solid waste

Waste Disposal: Material and packaging will be recycled or treated based on the existing laws and regulations.

Section 14 Transportation Information

Road and Rail Transportation Rating: Not classified as dangerous

Ocean Transportation Rating: Not classified as dangerous

Air Transportation Rating: Not classified as dangerous

Packaging: Bag, box, pail

Package Class: Class III

Transportation classification may vary based on the container volume and different countries and regions.

Section 15 Regulatory Information

This product does not belong to dangerous goods management scope based on the existing law and regulations.

Section 16 Other Information

Issue Date:	2015.1.18	Data Auditing:	
Issue By:	Technical Department	Other Information:	The full text of dangerous substances please refer to clause 2

Disclaimer: The use and transportation of this product must be in strict accordance with the instructions. The product is suitable for indoor and outdoor ceramic tile, stone and mosaic joint for walls and ground. Without the company's confirmation or explanation, this product cannot be used for other purposes, otherwise the company will not bear the relevant responsibility.