

TW72 Polymer Modified Cementitious Waterproofing (Liquid)

MATERIAL SAFETY DATA SHEET

MSDS-EN-TW72-0727

Product Name: TW72 Polymer Modified Cementitious Waterproofing (Liquid)
Manufacturer Information: TAMMY Energy-saving Building Materials (Beijing) Co., Ltd
Add: Room 902, Macro Link Industrial Postal Code: 101111
Mansion, #5 Jiachuang Road,
Tongzhou District, Beijing, P. R. China
Email: tammy@thmaterials.com MSDS Code:
Fax: 86-10-68318106 Phone: 86-10-68315916

Section 1 Chemical Product and Company Identification

Section 2 Composition/Information on Ingredients

TW72 Polymer Modified Cementitious Waterproofing is a kind of chemical mixture.

Material Name	CAS No.	Percentage	EC Danger Sign
Acrylic acid	79-10-7	80-100	
Water	7732-18-5	0-10	

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: This product contains weak alkaline. Alkaline substances will cause severe burns to the eyes, cause burns to the skin and cause ulcer. When weak 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. Ingestion will stimulate gastrointestinal tract, or even cause dizziness and hobble.

Physical and Chemical Hazards: This product will pollute the atmosphere, air and soil.

Environment:

The discharge of the mixture with liquid or water into the waterways and soil must obey the local regulations and laws.

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

Section 10 Stability & Reactivity

Stability: Stable under normal conditions

Possibility of Reaction: The product won't decompose when stored and used under normal conditions.

Possibility of Hazardous Reactions: Non

Section 11 Toxicological Information

Acute Toxicity: Non

Subacute and Chronic Toxicity: Non

Irritation: Non

Sensitization: Non

Mutagenicity: Non

Teratogenicity: Non

Carcinogenicity: Non

Other: Non

Section 12 Ecological Information

Ecological Toxicity: Slight toxicity to aquatic organisms, affect the demanded biochemical oxygen.

Section 13 Disposal Considerations

Waste Type: Hazardous waste Industrial liquid 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, pile

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.

Issue Date: 2015.1.18

Data Auditing:

Issue By: Technical Department

Other Information: The full text of dangerous substances please refer to clause 2.

Section 16 Other Information

Disclaimer: The use and transportation of this product must be in strict accordance with the instructions. The product needs to be mixed with powder. It's suitable for kitchen, bathroom, balcony, basement and pool waterproofing. Without the company's confirmation or explanation, this product cannot be used for other purposes, Otherwise the company will not bear the relevant responsibility.

TW72 Polymer Modified Cementitious Waterproofing (Power)

MATERIAL SAFETY DATA SHEET MSDS-EN-TW72-0727

Section 1 Chemical Product and Company Identification

Product Name: TW72 Polymer Modified Cementitious Waterproofing (Powder)
Manufacturer Information: TAMMY Energy-saving Building Materials (Beijing) Co., Ltd
Add: Room 902, Macro Link Industrial Postal Code: 101111
Mansion, #5 Jiachuang Road,
Tongzhou District, Beijing, P. R. China
Email: tammy@thmaterials.com MSDS Code:
Fax: 86-10-68318106 Phone: 86-10-68315916

Section 2 Composition/Information on Ingredients

TW72 Polymer Modified Cementitious Waterproofing is a kind of chemical mixture.

Material Name	CAS No.	Percentage	EC Danger Sign
Silica Sand	14808-60-7	50-65	R20
Portland Cement	65997-15-1	30-45	R36/37/38、R41
Polymer		0-5	R36/38

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: The dust will not cause explosion in the air.

Environment: The discharge of the mixture with liquid or water into the waterways and soil must obey the local regulations and laws.

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 grey powder		
pH:	12-13 (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):	1.2-1.4	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: Mixed with liquid. Suitable for kitchen, bathroom, balcony, basement and pool waterproofing.

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

Incompatibility: Acid, ammonium salt, steel

Possibility of Hazardous Reactions: Non

Section 11 Toxicological Information

Acute Toxicity:	Non
Subacute and Chronic Toxicity:	Non
Irritation:	Non
Sensitization:	Non
Mutagenicity:	Non
Teratogenicity:	Non
Carcinogenicity:	Non
Other:	Non

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: Hazardous waste 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, pile

Package Class: Class III

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

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