

SpiraGrout Safety Data Sheet

(17th April 2012)

(version 1)

Liquid Component

Product Identification

Trade Name: SpiraGrout Liquid Component.
Description: Cement based anchor system.

Composition

Redisperable polymer liquid.

Hazard Identification

On available data the component is not classified as hazardous.

Emergency and First Aid

After Eye Contact: Rinse immediately with water for at least 15 minutes. If irritation persists get medical attention.
After Skin Contact: Wash with soap and water.
After Ingestion: Wash mouth with plenty of water. DO NOT induce vomiting. In case of spontaneous vomiting ensure vomit can drain freely to avoid suffocation. Seek medical attention.
After Inhalation: Move into fresh air.

Exposure Control/Personal Protection

Engineering Protective Measures: No special measures required.
Occupational Exposure Limits: None assigned.
Respiratory Protection: In case of insufficient ventilation wear suitable respiratory equipment.
Hand Protection: Wear suitable gloves (e.g. PVC).
Eye Protection: Wear suitable safety glasses to BSEN 166.
Skin Protection: Wear overalls and closed footwear.

Handling and Storage

Handling: Ensure adequate ventilation. Wear suitable protective clothing and eye/face protection.
Storage: Keep in original container. Keep at room temperature.

Ecological Information

Prevent contamination of soil, drains or surface water.
Mobility: Mobile liquid.
Solubility: Miscible in all proportions.
Persistence and Degradability: The product will degrade only slowly in the environment.
Bioaccumulative Potential: There is no known evidence of a tendency for bioaccumulation.

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Toxicological Information

Long term experience of the use of this product type indicates low danger to health when handled under industrial conditions.

Skin Contact:	Can cause irritation.
Eye Contact:	Can cause irritation.
Effects of Inhalation:	Can cause respiratory irritation.
Ingestion:	Irritation to the mouth, throat and digestive tract.
Chronic:	Repeated skin contact can lead to skin disorders.
Other:	None known.

Accidental Release Measures

Personal Protections:	Wear suitable protective clothing, gloves and eye/face protection.
Environmental Precautions:	Prevent contamination of soil, drains and surface water.
Clean up methods:	Take up liquid with absorbent inert material. Dispose of as waste.

Stability and Reactivity

Stability:	Stable.
Conditions to Avoid:	None known.
Materials to Avoid:	None known.
Hazardous Decomposition Products:	None.

Physical and Chemical Properties:

pH:	6.5-7.0
Boiling Point:	100 °C approx. as water.
Solubility (water):	Miscible in all proportions.
Vapour Pressure:	As water.
Appearance:	Milky white liquid.
Odour:	Faint aromatic.
Density:	1.0 approx. as water.
Viscosity:	1.0mPas approx. as water.

Waste Disposal

For large quantities disposal must be carried out under guidance from local and national legislation. Small quantities can be disposed of via a licensed waste contractor.

Transport Information

Not classified as hazardous for transport.

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Fire Fighting Measures

Component as supplied is water based and non flammable. The unmixed dried polymer is flammable.

Suitable Extinguishing Media: All extinguishing media are suitable.

Exposure Hazards: Prevent contaminated water from entering drains, soil or surface water. Dispose of contaminated water, soil according to local and national regulations. Release of toxic fumes may occur. Fire fighters should wear self contained breathing apparatus.

Regulatory Information

Symbol: None.

Risk Phrases: None.

Safety Phrases: S1/2: Keep locked up and out of the reach of children.
S23: Do not breathe vapour.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28: After contact with skin, wash with plenty of water.
S37/39: Wear suitable gloves and eye/face protection.

Powder Component

Product Identification

Trade Name:	SpiraGrout Powder Component.
Description:	Cement based anchor system.

Composition

Mixture of silica sands, fillers and surfactant not classified as hazardous.

Component	CAS NUMBER	Classification	R Phrases
Portland Cement	65997-15-1	Xi	36/37/38,41

Hazard Identification

Irritating to eyes, respiratory system and skin. Risk of serious damage to eyes. Contains trace quantities of chromium (VI). May produce an allergic reaction.

Emergency and First Aid

After Eye Contact:	Rinse immediately with water for at least 15 minutes. If irritation persists get medical attention.
After Skin Contact:	Wash with soap and water.
After Ingestion:	Wash mouth with plenty of water. DO NOT induce vomiting. In case of spontaneous vomiting ensure vomit can drain freely to avoid suffocation. Seek medical attention.
After Inhalation:	Move into fresh air.

Exposure Control/Personal Protection

Engineering Protective Measures:	No special measures required.
Occupational Exposure Limits:	Amorphous silica 8Hour TWA; Total inhalable dust OES 6mg/m ³ . Respirable dust OES 2.4mg/m ³ .
Respiratory Protection:	In case of insufficient ventilation wear suitable respiratory equipment.
Hand Protection:	Wear suitable gloves (e.g. PVC).
Eye Protection:	Wear suitable safety glasses to BSEN 166.
Skin Protection:	Wear overalls and closed footwear.

Handling and Storage

Handling:	Ensure adequate ventilation. Wear suitable protective clothing and eye/face protection.
Storage:	Keep in original container. Keep dry.

Ecological Information

Prevent contamination of soil, drains or surface water.

Mobility:	Granular Powder.
Solubility:	Forms aqueous mixture.
Persistence and Degradability:	Once set long term stable.
Bioaccumulative Potential:	Once set long term stable.

Toxicological Information

Skin Contact:	Causes irritation when wet.
Eye Contact:	Can cause burns.
Effects of Inhalation:	Causes respiratory irritation.
Ingestion:	Causes irritation to the mouth, throat and digestive tract.
Chronic:	Respirable dust fraction, if inhaled over a prolonged period, constitutes a health hazard. Such inhalation can give rise to fibrosis of the lungs.
Other:	When mixed with water, alkali is released. Precautions should be taken to prevent dry material entering the eyes, mouth and nose and to prevent skin contact with wet material.

Accidental Release Measures

Personal Protections:	Wear suitable protective clothing, gloves and eye/face protection.
Environmental Precautions:	Prevent contamination of soil, drains and surface water.
Clean up methods:	Take up material. Avoid air born dust. Place in closable containers. Dispose of as waste

Stability and Reactivity

Stability:	Stable.
Conditions to Avoid:	None known.
Materials to Avoid:	None known.
Hazardous Decomposition Products:	None known.

Physical and Chemical Properties:

pH:	c/a 13 when in aqueous mix.
Boiling Point:	n/a.
Solubility (water):	Forms alkaline mixture.
Vapour Pressure:	n/a.
Appearance:	Grey coloured granular powder.
Odour:	None.
Density:	Bulk density 1.5 approx.
Viscosity:	n/a.

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Waste Disposal

For large quantities disposal must be carried out under guidance from local and national legislation. Small quantities can be disposed of via a licensed waste contractor.

Fire Fighting Measures

Suitable Extinguishing Media: None required as not flammable.
Exposure Hazards: None as not flammable.

Transport Information

Not classified as hazardous for transport.

Regulatory Information

Symbol: Xi.
Contains: Portland Cement.
Risk Phrases: R36/37/38: Irritating to eyes, respiratory system and skin.
R41: Risk of serious damage to eyes.
Safety Phrases: S1/2: Keep locked up and out of the reach of children.
S22: Do not breathe dust.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28: After contact with skin, wash with plenty of water.
S37/39: Wear suitable gloves and eye/face protection.

Disclaimer

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