



PowaTwist™ Grout SAFETY DATA SHEET (EC/1272/2008) version 1. 1/8

1. Identification of Substance/Preparation and Company

1.1. Information on the product

Trade Name: **PowaTwist™ Grout**

1.2. Use of the substance /preparation

Factory prepared dry mortar

1.3. Identification of the manufacturer/supplier

Supplier BPC Building Products Ltd.

Flanshaw Way

Wakefield

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United Kingdom.

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Office hours

0800 - 1700 Mon – Thurs

0800 – 1500 Fri

2. Hazards Identification

2.1 Classification

Classification (according to GHS):

Class	Hazard Class
Skin Irritant	2
Eye Damage	1
Specific target organ toxicity – single exposure (STOT SE)	3



2.2 Labelling (according to EC 1272 / 2008 - GHS)
Symbol(s):



GHS05



GHS07

Signal word Hazard

H code	Hazard statements
H315	Causes skin irritation.
H318	Causes serious eye damage.
H355	May cause respiratory irritation.
P code	Precautionary statements
P102	Keep out of reach of children. (!)
P280	Wear protective gloves / protective clothing / eye protection
P305+P351+P338+P310	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE or doctor/physician.
P302+P352+P333+P313	IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.
P261+P304+P340+P312	Avoid inhalation of dust. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
P501	Dispose of contents/containers to approved disposal site.(1)

1) Only when sold to private consumers

2.3 Other hazards

Gives an alkaline reaction with moisture. Once mixed with water, the product can cause serious skin damage on prolonged contact (e. g. when kneeling in moist mortar) due to its alkalinity. Store in a cool, dry place. Inappropriate storage (contact with humidity) or storage past the expiration may "reduce the effectiveness of the contained chromate reducer. In this case, a sensitization due to skin contact cannot be excluded.



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3. Composition / Specification of Components

3.1. Chemical characterization (preparation)

Description: Cement, quartz sand, excipients

3.2 Hazardous components

EC/REACH No.	CAS No.	Substance	Content (%)	Classification *	Remark
266-043-4	65997-15-1	Portland cement	15-25%	3.2./2/H315 3.3/1/H318 3.8/3/H335	(1)

(1) = Substance hazardous to health or environment

(2) = Substance with a Community workplace exposure limit

(3) = PBT substance

(4) = vPvB substance

(5) = SVHC candidate (substance of very high concern)

- For information on classification refer to section 16

3.3 Additional information

The preparation is low in chromate, since the content of sensitising chromium (VI) is reduced to less than 2 ppm by additives to the cement part of the ready-to-use mortar. The prerequisite for the effectiveness of the chromium reduction is appropriate storage and observance of the shelf-life (see section 7.2).

4. First Aid Measures

4.1. General information

Remove persons to safe areas. Respect self-protection of the first aider.

4.2. After inhalation

Supply fresh air. In case of complaints, seek immediate medical advice.

4.3. After skin contact

Rinse with plenty of water, change contaminated clothing immediately.

4.4. After eye contact

Do not rub the eyes dry. If necessary, remove contact lenses and rinse eyes immediately with running water keeping the eyelids open (for about 20 minutes). Always consult an ophthalmologist.





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4.5. After ingestion

Drink plenty of water in small portions drink (only if person is conscious).

Do not induce vomiting.

Seek medical advice and clearly identify substance.

4.6. Advice to doctor

Product reacts alkaline when in contact with moisture. May cause skin irritation or chemical burns to mucous membranes.

5. Fire-Fighting Measures

5.1 Suitable extinguishing media

The product is not flammable. Adapt extinguishing measures to surrounding fire.

5.2 Extinguishing media which must not be used for safety reasons
none

5.3 Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:
none

5.4 Protective equipment

Use self-contained respirator.

6. Accidental Release Measures

6.1 Personal precaution measures

Wear personal protective equipment (refer to section 8). Keep unprotected persons away.

Avoid eye and skin contact. Avoid inhalation of dust.

6.2 Environmental precautions

Do not allow to enter sewers, surface or ground water.

6.3 Methods for cleanup and containment

Clean up dry powder and mixed product mechanically and dispose of it properly.

7. Handling and Storage

7.1 Handling

Information on safe handling

Avoid dust formation. In case of dust formation, take appropriate protective measures (exhaust/ventilation, respiratory protection). Provide adequate ventilation at the workplace.

Information on fire and explosion protection

none

7.2 Storage

Requirements for storage rooms and containers:

none known.



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7.2.2 Information on storage with other products

Store away from acids.

7.2.3 Further information on storage conditions:

Store in a cool, dry place. Inappropriate storage (contact with humidity) or storage past the

expiration may "reduce the effectiveness of the contained chromate reducer. In this case, a

sensitization due to skin contact cannot be excluded.

7.2.4 Storage category

VCI storage category 13; non-flammable solid material

8. Explosion Limits and Personal Protective Equipment

8.1 Exposure limits values

CAS No.	Substance	Type	mg/m ³	ppm
65 997-15-1	Portland cement	MAK value	5	
14808-60-7	Quartz		0.15 (A)	

The MAK value (German maximum workplace concentration) for respirable quartz-containing dusts which may result from the processing of powdered quartz-containing preparations in general, is generally 0.15 mg/m³. A particulate matter concentration of 6 mg/m³ is set as a general dust limit value.

8.2 Occupational Exposure Control

General protective and hygienic procedures:

Avoid eye and skin contact. Do not eat, drink or smoke at work. Do not inhale dust. Wash exposed body parts after handling and apply moisturizing cream to prevent dermatitis.

Respiratory protection:

If the exposure threshold values are exceeded, wear particle-filtering half mask FFP1 (white).

(see code of practice leaflet BGR 190 2)

Hand protection:

Wear suitable gloves, e. g., nitrile impregnated cotton gloves.

Eye protection:

Wear tightly sealed goggles

Body protection:

Wear suitable protective clothing.

Skin Protection:

Skin protection plan in accordance with code of practice leaflet BGR197 2.

8.2.2 Limitation and monitoring of exposure to the environment

Prevent material from entering surface waters, drains, sewers or soils.

8.3 Additional information on design of technical facilities

Observe information in section 7.



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9. Physical and Chemical Properties

9.1 General information.

Physical state / shape	Powder
Colour	Grey
Odour	Odourless

9.2 Safety-relevant data

Melting point	not determined
Boiling Point	not determined
Flash point:	product is not flammable
Ignition temperature	product is not flammable
Explosion group p	roduct is not explosible
Explosion limits	not available
Vapour pressure	not determined
Density	not determined
Bulk density	not determined
Solubility in water	< 2g/l
pH value	Approx. 12 at 25°C(500g/l H2O)
Partition coefficient octanol / water	not determined
Dynamic viscosity	not determined

10. Stability and Reactivity

10.1 Conditions to avoid

Contact with moisture

10.2 Materials to avoid

Acid wastes

10.3 Hazardous decomposition

If stored and handled properly: none known.

10.4 Hazard reactions

Risk of dust explosion, explosion class St1





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11. Toxicology Data

11.1 General

Virtually all studies based on experiments with animals, as well as practical experience (epidemiological studies), describe irritant and inflammatory reactions, especially in the upper respiratory tract, after exposure to cement dust. The frequently observed obstructive changes to the airways are associated with the chemical irritant effect (the high alkalinity) of cement dust.

11.2 Toxicological tests

No toxicological tests have been made on animals for this preparation.

11.3 Additional toxicological information

Once mixed with water, the product can cause serious skin lesions and damage to the eyes on prolonged contact due to its alkalinity. At the same time mechanical wear to the skin can exacerbate such effects.

As long as the expiration date of the grey Portland cement is not exceeded, no sensitizing effect is to be expected.

12. Ecological Information

12.1 Environmental toxicity

12.2 Information on elimination (persistence and degradability)

Not biodegradable, since preparation consists of mineral substances

12.3 Additional ecological information

Prevent material from entering surface waters, drains, sewers or soils.
May increase the pH value.

13. Information on disposal

13.1 Product

Waste code number: 010410 (dusty and powdery wastes other than those mentioned in 01 04 07.)

Or Mix with water, allow to harden, then dispose of as construction waste.
Waste code number: 17 01 07 (pure construction waste) or 170904 (mixed construction waste,
without hazardous substances)

13.2 Uncleaned packaging

Recommendation: Empty packaging completely. Reuse or recycle containers preferably, in compliance with the applicable local regulations.





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14. Transport Regulations

14.1 Land transport GGVSE / ADR and RID

ADR

Assessment Non-hazardous good according to transport regulations

RID

Assessment Non-hazardous good according to transport regulations

14.2 Air transport ICAO-TI and IATA-DGR

Assessment Non-hazardous good according to transport regulations

14.3 Marine transport IMDG/GGVSea

Assessment Non-hazardous good according to transport regulations

14.4 Transport/further information

15. Regulatory Information

15.1 National regulations

Information on employment limitations

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TA-Luft (German technical instructions on air quality control):

Clause 3.1.5

German water hazard classification (WGK)

WGK 1 – slightly hazardous to water (self-classification)

Further regulations

Chemical safety assessment

For this product is no chemical safety assessment available.

15.2 Further international regulations

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Information on the international registration status

-

16. Further Information

16.1 Product

All details given are based at our present knowledge and are designed to describe our product with regard to health & safety requirement. However, they are not intended to guarantee any characteristics of the product described in terms of statutory warranty regulations. It is the responsibility of the user of our product to comply with existing laws, regulations and standards.

