

MSDS- **VogaGrout G**

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VOGEL SYSTEMS Safety data sheet

Date / Revised: 19.09.2022

Version: 1.0

Product: **MSDS- VogaGrout G**

Date of print 20.09.2022

1. Identification

Product identifier
VogaGrout G

Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: Product for construction chemicals Recommended use: for industrial and professional users



Details of the supplier of the safety data sheet

Company:
VOGEL SYSTEMS
Operating Division Construction Chemicals

E-mail address: info@vogel-systems.de

Emergency telephone number

International emergency number

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SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1. Product identifier

Product name VogaGrout G

2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Grout and anchors

3. Details of the supplier of the safety data sheet

Supplier

Company name : Vogel co.

E-mail address: info@vogel-systems.de

SECTION 2: HAZARDS IDENTIFICATION

1. Classification of the substance or mixture

Classification (1999/45/EC) Xi;R37/38, R41.R43.

Human health

High Flowable, non-Shrinkage Cementitious Grouting Mortar.

Environment

In the presence of water the product hardens to a solid mass which is not biodegradable.

2. Label elements

Contains ORDINARY PORTLAND CEMENT

Labelling



Irritant

Risk Phrases

R37/38	Irritating to respiratory system and skin.
R41	Risk of serious damage to eyes.
R43	May cause sensitisation by skin contact.

Safety Phrases

S24/25	Avoid contact with skin and eyes.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37/39	Wear suitable gloves and eye/face protection.

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS3.2. Mixtures

ORDINARY PORTLAND CEMENT	30-60%
CAS-No.: 65997-15-1	EC No.: 266-043-4
Classification (EC 1272/2008) Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Skin Sens. 1 - H317 STOT SE 3 - H335	Classification (67/548/EEC) Xi;R37/38,R41. R43.
SILICA SAND	10-30%
CAS-No.: 14808-60-7	EC No.: 238-878-4
Classification (EC 1272/2008) STOT SE 3 - H335	Classification (67/548/EEC) Xi;R37.
SILICA SAND	10-30%
CAS-No.: 14808-60-7	EC No.:
Classification (EC 1272/2008) Eye Irrit. 2 - H319	Classification (67/548/EEC) Not classified.
SILICA (AMORPHOUS)	< 1%
CAS-No.: 112926-00-8	EC No.: 231-545-4
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Not classified.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: FIRST AID MEASURES4.1. Description of first aid measuresGeneral information

No personal protective equipment is needed for first aid responders. First aid workers should avoid contact with wet cement or wet cement containing perparations.

Inhalation

Move the exposed person to fresh air at once. Dust in throat and nasal passages should clear spontaneously. Get medical attention if irritation persists or later develops, or if discomfort, coughing or other symptoms persist.

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Ingestion

DO NOT INDUCE VOMITING! Rinse mouth thoroughly with water and give large amounts of milk or water to people not unconscious. Get medical attention immediately!

Skin contact

Wash immediately with copious quantities of water. Remove contaminated clothing immediately. Obtain medical advice if skin disorders develop.

Eye contact

Do not rub eye. Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Obtain medical attention and bring these instructions.

2. Most important symptoms and effects, both acute and delayed**General information**

The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

Inhalation

Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases.

Ingestion

Ingestion of large doses may result in irritation to the gastrointestinal tract.

Skin contact

May have an irritating effect on moist skin after prolonged contact, or may cause dermatitis after repeated contact.

Prolonged skin contact with wet preparation may cause serious burns without pain being felt, including through clothing.

Eye contact

Eye contact may cause serious and potentially irreversible injuries.

3. Indication of any immediate medical attention and special treatment needed

No specific first aid measures noted. Treat Symptomatically.

SECTION 5: FIREFIGHTING MEASURES**1. Extinguishing media****Extinguishing media**

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

2. Special hazards arising from the substance or mixture**Hazardous combustion products**

There are no anticipated hazardous decomposition products associated with this material.

Unusual Fire & Explosion Hazards

No unusual fire or explosion hazards noted.

Specific hazards

Water used for fire extinguishing, which has been in contact with the product, may be corrosive.

3. Advice for firefighters**Special Fire Fighting Procedures**

No specific fire fighting procedure given.

Protective equipment for fire-fighters

Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace.

SECTION 6: ACCIDENTAL RELEASE MEASURES**1. Personal precautions, protective equipment and emergency procedures**

Avoid inhalation of dust. Use work methods which minimize dust production. Avoid contact with eyes and prolonged skin contact. Wear protective clothing as described in Section 8 of this safety data sheet.

2. Environmental precautions

The product should not be dumped in nature but collected and delivered according to agreement with the local authorities. Do not discharge into drains, water courses or onto the ground.

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6.4. Reference to other sections

For personal protection, see section 8. For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE**1. Precautions for safe handling**

Do not eat, drink or smoke when using the product. Avoid spreading dust. Avoid inhalation of dust. Avoid contact with skin and eyes.

Mechanical ventilation or local exhaust ventilation may be required. Change contaminated clothing.

2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry and cool place. Seal opened containers and use up as soon as possible To be stored out of reach of children in its original packaging in a dry place.

3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1. Control parameters**

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
ORDINARY PORTLAND CEMENT	WEL		10 mg/m ³			
SILICA (AMORPHOUS)	WEL		6 mg/m ³			

WEL = Workplace Exposure Limit.

8.2. Exposure controls**Protective equipment****Process conditions**

This product contains silica sands.

The grain size distribution of silica sand present means that it is not classified as hazardous.

However, any respirable crystalline dust generated by secondary processing may cause health effects.

Prolonged and /or massive inhalation of respirable crystalline silica dust may cause lung fibrosis, commonly referred to as silicosis. Principal symptoms of silicosis are cough and breathlessness.

Occupational exposure to respirable crystalline silica dust should be monitored and controlled
Engineering measures

Atmospheric levels of dust must be maintained within the Occupational Exposure Limit. Where mechanical methods are inadequate or impractical, appropriate personal protective equipment must be used.

Respiratory equipment

Use respiratory equipment with particle filter, type P2.

Hand protection

Use impervious, abrasion and alkali resistant gloves. Barrier cream applied before work may make it easier to clean the skin after exposure, but does not prevent absorption through the skin.

Eye protection

Wear approved safety goggles. (conform EN 166)

Other Protection

Use barrier creams to prevent skin contact. Wear appropriate clothing to prevent repeated or prolonged skin contact.

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Hygiene measures

When using do not eat, drink or smoke. Wash hands at the end of each work shift and before eating, smoking and using the toilet.

Personal protection

Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties**Appearance Powder, dustColour Grey.Odour Odourless.Solubility Slightly soluble in water. Hardens in contact with water.Initial boiling point and boiling range (°C)

Not applicable.

Melting point (°C) >1250°CpH-Value, Conc. Solution >12Flash point (°C) NoneAuto Ignition Temperature (°C)

Not determined.

Explosive properties

Not known.

Explosive under influence of flame.

Not considered to be explosive.

Oxidising properties

Does not meet the criteria for oxidising.

9.2. Other information

Not available.

SECTION 10: STABILITY AND REACTIVITY**1. Reactivity**

When mixed with water, hardens to form a stable mass that is not reactive in normal conditions.

2. Chemical stability

Stable when stored in a dry place. Stable under the prescribed storage conditions. Stable under normal temperature conditions and recommended use.

3. Possibility of hazardous reactions

None under normal conditions of use.

Hazardous Polymerisation

Will not polymerise.

4. Conditions to avoid

Water, moisture.

5. Hazardous decomposition products

No hazardous decomposition products.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects**

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Respiratory or skin sensitisation:

Some individuals may exhibit eczema upon exposure to wet cement caused either by the high pH which induces irritant contact dermatitis, or by an immunological reaction to soluble Cr (VI) which elicits allergic contact dermatitis.

Inhalation

Irritating to respiratory system. Inflammation of the nasal mucous membrane by exposure to cement dust.

Ingestion

May cause irritation of mouth, throat and digestive tract.

Skin contact

Strongly irritating. Prolonged contact may cause burns. May cause sensitisation by skin contact.

Eye contact

Irritating and may injure eye tissue if not removed promptly.

Health Warnings

Repeated and/or prolonged contact may lead to dermatitis

Toxicological information on ingredients.

ORDINARY PORTLAND CEMENT (CAS: 65997-15-1)

Acute toxicity:

Acute Toxicity (Dermal LD50)

> 2000 mg/kg Rabbit

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

The product is not expected to be hazardous to the environment.

1. Toxicity

Acute Toxicity -Fish

Not determined.

The product is not expected to be hazardous to the environment. The addition of cements to water will, however, cause the pH to rise and may therefore be toxic to aquatic life in some circumstances.

2. Persistence and degradability

Degradability

The product is not biodegradable.

3. Bioaccumulative potential

Bioaccumulative potential

The product is not bioaccumulating.

4. Mobility in soil

Mobility:

The product hardens to a solid immobile substance. The product is not volatile but may be spread by dust-raising handling.

5. Results of PBT and vPvB assessment

Not Classified as PBT/vPvB by current EU criteria.

6. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

General information

Do not empty into drains, sewers or water courses.

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13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements. Note that fully cured material is not considered as hazardous waste.

SECTION 14: TRANSPORT INFORMATION

General The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

1. UN number

Not relevant

2. UN proper shipping name

Not relevant

3. Transport hazard class(es)

Not relevant

4. Packing group

Not relevant

5. Environmental hazardsEnvironmentally Hazardous Substance/Marine Pollutant

No.

6. Special precautions for user

Not relevant

7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not relevant

SECTION 15: REGULATORY INFORMATION**1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Guidance Notes**

Workplace Exposure Limits EH40.

CHIP for everyone HSG(108).

EU Legislation

Dangerous Substance Directive 67/548/EEC.

Dangerous Preparations Directive 1999/45/EC.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION**General information**

For professional use only.

Revision Comments

NOTE: Lines within the margin indicate significant changes from the previous revision.