

DESIGNER GROUT 440 delorian grey  
 Revision Number 1

Revision date 04-Aug-2019  
 Supersedes Date: 04-Aug-2019

## Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product Identifier

**Product Name** DESIGNER GROUT 440 delorian grey  
**Pure substance/mixture** Mixture

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

**Recommended use** Grout.  
**Uses advised against** No information available.

### 1.3. Details of the supplier of the safety data sheet

**Company Name**  
 Bostik New Zealand Limited  
 19 Eastern Hutt Road Wingate,  
 Lower Hutt, New Zealand  
 Tel: 04-567 5119  
 Fax: 04-567 5412

**Manufacturer**  
 Bostik Australia Pty Ltd  
 51-71 High Street,  
 Thomastown Victoria  
 Australia  
 Tel: 613 9279-9333  
 Fax: 613 9279-9342

**ABN:** 79 003 893 838

### 1.4. Emergency telephone number

**Emergency Telephone** 24 Hr: 0800 243 622  
 +64 4 917 9888  
 Poison Centre : 0800 764 766

**E-mail address** SDS.AP@Bostik.com

## Section 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

Skin corrosion/irritation	Category 2 (6.3A)
Serious eye damage/eye irritation	Category 1 (8.3A)
Specific target organ toxicity - Single exposure	Category 3 ( f )
Specific target organ toxicity - Repeated exposure	Category 2 (6.9B)

### 2.2. Label Elements



**Signal word**

Danger

#### Hazard statements

H318 - Causes serious eye damage  
 H315 - Causes skin irritation  
 H335 - May cause respiratory irritation  
 H373 - May cause damage to organs through prolonged or repeated exposure

#### Prevention

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P264 - Wash face, hands and any exposed skin thoroughly after handling  
P280 - Wear protective gloves/protective clothing/eye protection/face protection  
P260 - Do not breathe dust/fume/gas/mist/vapors/spray  
P271 - Use only outdoors or in a well-ventilated area

## Inhalation

P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
P312 - Call a POISON CENTER or doctor/physician if you feel unwell

## Skin

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water  
P332 + P313 - If skin irritation occurs: Get medical advice/attention  
P362 - Take off contaminated clothing and wash before reuse

## Eyes

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P310 - Immediately call a POISON CENTER or doctor/physician

## Storage

P403 + P233 - Store in a well-ventilated place. Keep container tightly closed  
P405 - Store locked up

## Disposal

P501 - Dispose of contents/ container to an approved waste disposal plant

## 2.3. Other Hazards

## Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Mixture

### 3.2 Mixtures

Chemical name	CAS No.	Weight-%
Cement, portland, chemicals (Chromium VI reduced)	65997-15-1	20- <40
Quartz (fine fraction)	14808-60-7	1 - <3
Calcium formate	544-17-2	1 - <3
Calcium hydroxide	1305-62-0	0.1- <1
Sulfuric acid, aluminum salt (3:2)	10043-01-3	0.1- <1

\*\*\* Any remaining ingredients are not hazardous

## Section 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

<b>Inhalation</b>	Remove to fresh air. If symptoms persist, call a physician.
<b>Skin contact</b>	Brush off loose particles from skin. Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician.
<b>Eye contact</b>	In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.
<b>Ingestion</b>	Do NOT induce vomiting. If swallowed, seek medical advice immediately and show this container or label. Rinse mouth.
<b>Self-protection of the first aider</b>	Use personal protective equipment as required

### 4.2. Most important symptoms and effects, both acute and delayed

**Symptoms** None known.

### 4.3. Indication of any immediate medical attention and special treatment needed

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**Note to physicians** Treat symptomatically.

#### 4.4. Reference to Other Sections

**Reference to other sections** Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION. Section 11: TOXICOLOGY INFORMATION.

### Section 5: FIRE-FIGHTING MEASURES

#### 5.1. Extinguishing media

**Suitable extinguishing media** Use extinguishing agent suitable for type of surrounding fire.

**Unsuitable extinguishing media** No information available.

#### 5.2. Special hazards arising from the substance or mixture

**Specific hazards arising from the chemical** Thermal decomposition can lead to release of irritating and toxic gases and vapors.

**Hazardous combustion products** Carbon oxides.

#### 5.3. Advice for firefighters

**Special protective equipment for fire-fighters** Wear self-contained breathing apparatus and protective suit.

### Section 6: ACCIDENTAL RELEASE MEASURES

#### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions** Avoid creating dust. Do not get in eyes, on skin, or on clothing. Wear protective gloves/protective clothing and eye/face protection.

**For emergency responders** Sweep up to prevent slipping hazard.

#### 6.2. Environmental precautions

**Environmental precautions** See Section 12 for additional Ecological Information.

#### 6.3. Methods and material for containment and cleaning up

**Methods for containment** Prevent dust cloud. Take up mechanically, placing in appropriate containers for disposal.

**Methods for cleaning up** Avoid creating dust. Sweep up and shovel into suitable containers for disposal.

#### 6.4. Reference to other sections

**Reference to other sections** Section 7: HANDLING AND STORAGE  
Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION  
Section 13: DISPOSAL CONSIDERATIONS

### Section 7: HANDLING AND STORAGE

#### 7.1. Precautions for safe handling

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Avoid generation of dust. Avoid contact with skin and eyes. Wash contaminated clothing before reuse.

#### 7.2. Conditions for safe storage, including any incompatibilities

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**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice.

**Storage Conditions** Keep out of the reach of children. Protect from direct contact with water or excessive moisture. Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

**Incompatible materials** No information available

**7.3. Specific end use(s)**

**Other information** No information available.

**7.4. References to Other Sections**

**Reference to other sections** Section 13: DISPOSAL CONSIDERATIONS. Section 10: STABILITY AND REACTIVITY.

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

#### Exposure Limits

Chemical name	New Zealand	Australia	European Union
Cement, portland, chemicals (Chromium VI reduced) 65997-15-1	TWA: 3 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup>	10 mg/m <sup>3</sup> TWA	-
Quartz (fine fraction) 14808-60-7	TWA: 0.1 mg/m <sup>3</sup>	0.1 mg/m <sup>3</sup> TWA	TWA: 0.1 mg/m <sup>3</sup>
Calcium hydroxide 1305-62-0	TWA: 5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup> TWA	TWA: 5 mg/m <sup>3</sup>
Sulfuric acid, aluminum salt (3:2) 10043-01-3	TWA: 5 mg/m <sup>3</sup>	2 mg/m <sup>3</sup> TWA	-

Chemical name	ACGIH TLV	NIOSH IDLH	OSHA PEL
Cement, portland, chemicals (Chromium VI reduced) 65997-15-1	TWA: 1 mg/m <sup>3</sup> particulate matter containing no asbestos and <1% crystalline silica, respirable particulate matter	IDLH: 5000 mg/m <sup>3</sup> TWA: 10 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable dust	TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable fraction TWA: 50 mppcf <1% Crystalline silica
Quartz (fine fraction) 14808-60-7	TWA: 0.025 mg/m <sup>3</sup> respirable particulate matter	IDLH: 50 mg/m <sup>3</sup> respirable dust TWA: 0.05 mg/m <sup>3</sup> respirable dust	TWA: 50 µg/m <sup>3</sup> TWA: 50 µg/m <sup>3</sup> excludes construction work, agricultural operations, and exposures that result from the processing of sorptive clays : (250)/(%SiO <sub>2</sub> + 5) mppcf TWA respirable fraction : (10)/(%SiO <sub>2</sub> + 2) mg/m <sup>3</sup> TWA respirable fraction
Calcium hydroxide 1305-62-0	TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>	TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable fraction
Sulfuric acid, aluminum salt (3:2) 10043-01-3	No data available	TWA: 2 mg/m <sup>3</sup> Al	-

**Derived No Effect Level (DNEL)** No information available

**Predicted No Effect Concentration (PNEC)** No information available

**OTHER INFORMATION** No information available

### 8.2. Exposure controls

**Engineering controls** Ensure adequate ventilation, especially in confined areas.

**PPE - Personal Protection Equipment**

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<b>Eye/face protection</b>	Wear safety glasses with side shields (or goggles).
<b>Skin and body protection</b>	Wear suitable protective clothing. No special technical protective measures are necessary under normal conditions.
<b>Hand protection</b>	Wear suitable chemical resistant gloves. The selection of suitable gloves does not only depend on the material, but also on further marks of quality and various manufacturers.
<b>Respiratory protection</b>	No protective equipment is needed under normal use conditions. Respiratory protection required in insufficiently ventilated working areas and during spraying. An air-fed mask, or for short periods of work, a combination of professional filter is recommended.
<b>General hygiene considerations</b>	Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Avoid contact with skin, eyes or clothing. Take off contaminated clothing and wash before reuse.

**Environmental exposure controls** No information available.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Powder
<b>Color</b>	Gray
<b>Odor</b>	Odorless
<b>Odor threshold</b>	Not applicable

Property	Values	Remarks • Method
<b>pH</b>	No data available	
<b>Melting point / freezing point</b>	No data available	
<b>Boiling point / boiling range</b>	No data available	
<b>Flash point</b>	No data available	
<b>Evaporation rate</b>	No data available	
<b>Flammability (solid, gas)</b>	No data available	
<b>Flammability Limit in Air</b>		
<b>Upper flammability or explosive limits</b>	No data available	
<b>Lower flammability or explosive limits</b>	No data available	
<b>Vapor pressure</b>	No data available	
<b>Vapor density</b>	No data available	
<b>Relative density</b>	1.15	
<b>Water solubility</b>	Insoluble in water	Cement based products react and solidify in contact with water
<b>Solubility(ies)</b>	No data available	
<b>Partition coefficient</b>	No data available	
<b>Autoignition temperature</b>	No data available	
<b>Decomposition temperature</b>	No data available	
<b>Kinematic viscosity</b>	No data available	
<b>Dynamic viscosity</b>	No data available	
<b>Explosive properties</b>	No information available	
<b>Oxidizing properties</b>	No information available	

### 9.2. Other information

<b>Softening Point</b>	No information available
<b>Molecular weight</b>	No information available
<b>Solvent content (%)</b>	No information available
<b>Solid content (%)</b>	100
<b>Density</b>	No information available
<b>Bulk density</b>	No information available
<b>VOC Content (%)</b>	< 1 g/L

## Section 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

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Reactivity None under normal use conditions.

## 10.2. Chemical stability

## 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

Hazardous polymerization None under normal processing.

## 10.4. Conditions to avoid

Conditions to avoid Heat, flames and sparks.

## 10.5. Incompatible materials

Incompatible materials No information available.

## 10.6. Hazardous decomposition products

Hazardous decomposition products None under normal use conditions.

## Section 11: TOXICOLOGY INFORMATION

### 11.1. Information on toxicological effects

#### Acute Toxicity

Product Information Product does not present an acute toxicity hazard based on known or supplied information.

Inhalation No data available.  
Eye contact No data available.  
Skin contact No data available.  
Ingestion No data available.

#### Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Quartz (fine fraction) 14808-60-7	>2000 mg/kg ( Rat )	-	-
Calcium formate 544-17-2	= 2650 mg/kg ( Rat )	LD50 > 2000 mg/kg (rat) OECD 402	-
Calcium hydroxide 1305-62-0	= 7340 mg/kg ( Rat )	-	-
Sulfuric acid, aluminum salt (3:2) 10043-01-3	>2000 mg/kg ( Rat )	-	-

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation No information available.  
Serious eye damage/eye irritation No information available.  
Sensitization No information available.  
Germ cell mutagenicity No information available.  
Reproductive toxicity No information available.  
STOT - single exposure No information available.  
STOT - repeated exposure No information available.  
Target organ effects Eyes, Lungs, retina, Skin.  
Aspiration hazard No information available.  
Carcinogenicity No information available.

Chemical name	IARC	China	Japan
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Quartz (fine fraction)	Group 1	Carcinogenic to humans	Group 1
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IARC (International Agency for Research on Cancer) Group 1 - Carcinogenic to Humans

## Section 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

#### Ecotoxicity

#### Product Information

None known.

#### Component Information

Data obtained on the component(s) include

Chemical name	Algae/aquatic plants	Fish	Crustacea
Calcium formate 544-17-2	RC50 (72h) > 1000 mg/l (Pseudokirchnerella subcapitata)	LC50: >=1000mg/L (96h, Brachydanio rerio)	EC50 (48h) > 1000 mg/l (Daphnia magna) EPA-660/3-75-009
Calcium hydroxide 1305-62-0	-	LC50: =160mg/L (96h, Gambusia affinis)	-
Sulfuric acid, aluminum salt (3:2) 10043-01-3	-	LC50 96 h = 100 mg/L (Carassius auratus )	EC50: =136mg/L (15min, Daphnia magna)

### 12.2. Persistence and degradability

No information available.

### 12.3. Bioaccumulative potential

There is no data for this product.

### 12.4. Mobility in soil

No information available.

### 12.5. Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

Chemical name	PBT and vPvB assessment
Calcium formate 544-17-2	The substance is not PBT / vPvB
Calcium hydroxide 1305-62-0	The substance is not PBT / vPvB PBT assessment does not apply
Sulfuric acid, aluminum salt (3:2) 10043-01-3	The substance is not PBT / vPvB PBT assessment does not apply

### 12.6. Other adverse effects

No information available.

## Section 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

#### Waste from residues/unused products

Disposal should be in accordance with applicable regional, national and local laws and regulations.

#### Contaminated packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

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## Section 14: TRANSPORT INFORMATION

IMDG Not regulated  
IATA Not regulated  
ADR Not regulated

## Section 15: REGULATORY INFORMATION

### National Regulations

ERMA Group HSR002544

## Section 16: OTHER INFORMATION

**Key or legend to abbreviations and acronyms used in the safety data sheet**  
No information available

**Key Literature References and Sources for Data**  
No information available

**Prepared By** Product Safety & Regulatory Affairs  
**Revision date** 04-Aug-2019  
**Revision note** Not applicable.  
**Training Advice** No information available

### **Disclaimer**

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**End of Safety Data Sheet**