

**Safety Data Sheet  
in accordance with HSNO**

Printing Date: 18.09.2019

Version Number: 1.0

Revision Date: 18.09.2019

## 1 Identification of the substance or mixture and of the supplier

**Product identifier:**

Trade name: ***BETEC FLX 120 POWDER***

**Relevant identified uses of the substance or mixture, and uses advised against:**

Relevant identified uses of the substance or mixture: Waterproofing.

Identified uses advised against: No further relevant information available.

**Details of the supplier of the safety data sheet:**

**Manufacturer/supplier:**

GCP Australia Pty. Ltd.  
74 Annie Street  
Rocklea, Queensland 4106  
Australia

**Further information obtainable from:**

Tel: 1800 334 444  
Fax: +61 7-3275-7801

**Emergency telephone number:**

CHEMWATCH - 00 800 2436 2255 (free call)  
National Poison Centre - 0800 764-766 (0800 POISON)

## 2 Hazards identification

**Classification of the substance or mixture:**

Skin Irrit. 2 H315 Causes skin irritation.

Eye Dam. 1 H318 Causes serious eye damage.

Carc. 1A H350 May cause cancer. Route of exposure: Inhalation.

STOT SE 3 H335 May cause respiratory irritation.

STOT RE 1 H372 Causes damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalation.

**Label elements:**

**GHS label elements** The product is classified and labelled according to the Globally Harmonized System (GHS).

**Hazard pictograms**



GHS05 GHS07 GHS08

**Signal word** Danger

**Hazard-determining components of labelling:**

Portland cement  
Quartz (SiO<sub>2</sub>)  
Calcium oxide

**Hazard statements**

Causes skin irritation.  
Causes serious eye damage.  
May cause cancer. Route of exposure: Inhalation.  
May cause respiratory irritation.

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Causes damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalation.

**Precautionary statements**

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Do not breathe dust/fume/gas/mist/vapours/spray.

Avoid breathing dust/fume/gas/mist/vapours/spray.

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

Use only outdoors or in a well-ventilated area.

Wear protective gloves/protective clothing/eye protection/face protection.

IF ON SKIN: Wash with plenty of water.

Immediately call a POISON CENTER/doctor.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF exposed or concerned: Get medical advice/attention.

Get medical advice/attention if you feel unwell.

Take off contaminated clothing and wash it before reuse.

If skin irritation occurs: Get medical advice/attention.

Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

**Additional information:** Avoid breathing dust.

**Description of Classification:**

Classified as Hazardous Substance according to the criteria of the New Zealand Hazardous Substance New Organisms legislation.

**HSNO Group Standard :** Construction Products (Subsidiary Hazard) Group Standard 2006

**HSNO Approval Number :** HSR002544

**Other hazards:**
**Results of PBT and vPvB assessment:**

**PBT:** Not applicable.

**vPvB:** Not applicable.

### 3 Composition/Information on ingredients

**Chemical characterization: Mixture:**

**Description:** Mixture of substances listed below with non-hazardous additions.

<b>Dangerous components:</b>			
14808-60-7	Quartz (SiO <sub>2</sub> )	Carc. 1A, H350; STOT RE 1, H372	50-<100%
65997-15-1	Portland cement	Eye Dam. 1, H318 Skin Irrit. 2, H315; STOT SE 3, H335	30-<50%
1317-65-3	Calcium carbonate		5-<10%
1305-78-8	Calcium oxide	Skin Corr. 1C, H314; Eye Dam. 1, H318 STOT SE 3, H335	1-<3%

### 4 First aid measures

**Description of first aid measures:**

**General information:** Get medical advice/attention if you feel unwell.

**After inhalation:** IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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**After skin contact:**

Take off immediately all contaminated clothing, and wash immediately with plenty of soap and water.

IF exposed or concerned: Get medical advice/attention.

**After eye contact:**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF exposed or concerned: Get medical advice/attention.

**After swallowing:**

Rinse mouth.

Do NOT induce vomiting.

**Information for doctor:**

**Most important symptoms and effects, both acute and delayed:** Risk of serious damage to eyes.

**Indication of any immediate medical attention and special treatment needed:** No further relevant information available.

### 5 Fire fighting measures

**Extinguishing media:**

**Suitable extinguishing agents:** CO<sub>2</sub>, powder.

**Special hazards arising from the substance or mixture:**

During heating or in case of fire poisonous gases are produced.

**Advice for firefighters:**

**Protective equipment:** Wear self-contained respiratory protective device.

**Additional information:** Collect contaminated fire fighting water separately. It must not enter the sewage system.

### 6 Accidental release measures

**Personal precautions, protective equipment and emergency procedures:**

Ensure adequate ventilation.

Wear protective equipment. Keep unprotected persons away.

Use respiratory protective device against the effects of fumes/dust/aerosol.

**Environmental precautions:** Inform respective authorities in case of seepage into water course or sewage system.

**Methods and material for containment and cleaning up:** Send for recovery or disposal in suitable receptacles.

**Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

### 7 Handling and storage

**HANDLING****Precautions for safe handling:**

Do not eat, drink or smoke when using this product.

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Store in a well-ventilated place. Keep container tightly closed.

Keep only in original container.

Use only outdoors or in a well-ventilated area.

**Information about fire - and explosion protection:** No special measures required.

**Conditions for safe storage, including any incompatibilities:**

### STORAGE

**Information about storage in one common storage facility:** Keep respiratory protective device available.

**Further information about storage conditions:**

Keep container tightly sealed.

Store in a dry place.

Keep cool.

**Specific end use(s):** No further relevant information available.

## 8 Exposure controls/personal protection

**Additional information about design of technical facilities:** No further data; see item 7.

### Control parameters:

**Ingredients with limit values that require monitoring at the workplace:**

#### 14808-60-7 Quartz (SiO<sub>2</sub>)

WES (New Zealand)	Long-term value: 0.2 mg/m <sup>3</sup> confirmed carcinogen; respirable dust
WES (Australia)	Long-term value: 0.1 mg/m <sup>3</sup> respirable dust
WEL (Great Britain)	Long-term value: 0.1 mg/m <sup>3</sup> Silica, respirable crystalline

#### 65997-15-1 Portland cement

WES (New Zealand)	Long-term value: 3 1* mg/m <sup>3</sup> sen, *respirable dust
WES (Australia)	Long-term value: 10 mg/m <sup>3</sup>
WEL (Great Britain)	Long-term value: 10* 4** mg/m <sup>3</sup> *inhalable dust **respirable dust

#### 1317-65-3 Calcium carbonate

WEL INHALABLE DUST (GB)	Long-term value: 10 mg/m <sup>3</sup>
WEL RESPIRABLE (Great Britain)	Long-term value: 4 mg/m <sup>3</sup>

#### 1305-78-8 Calcium oxide

WES (New Zealand)	Long-term value: 2 mg/m <sup>3</sup>
WES (Australia)	Long-term value: 2 mg/m <sup>3</sup>
WEL (Great Britain)	Short-term value: 4* mg/m <sup>3</sup> Long-term value: 2 1* mg/m <sup>3</sup> *respirable fraction

**Additional information:** Based on the lists valid at the date of SDS creation.

### Exposure controls:

#### PERSONAL PROTECTIVE EQUIPMENT

**General protective and hygienic measures:** The usual precautionary measures are to be adhered to when handling chemicals.

#### Respiratory protection:

Control exposure to ingredients with workplace control parameters if mentioned above. If no ingredients are listed, respiratory protection is generally not required.

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If exposure limits are listed and may be exceeded, use approved respiratory protective equipment and filter type appropriate for the listed ingredients. (NIOSH, CEN, etc.).

**Protection of hands:** Protective gloves.

**Material of gloves:**

Rubber gloves.

Nitrile rubber.

**Penetration time of glove material:**

The exact breakthrough time has to be determined by the manufacturer of the protective gloves and has to be observed.

**Eye protection:** Tightly sealed goggles.

**Body protection:**

Use personal protective equipment as required.

Take off contaminated clothing.

### 9 Physical and chemical properties

#### Information on basic physical and chemical properties:

##### GENERAL INFORMATION

**Appearance:**

**Form:** Powder.

**Colour:** Dark gray.

**Odour:** Characteristic.

**Odour threshold:** Not determined.

**pH-value (~):** Not applicable.

**Change in conditions:-**

**Melting point/freezing point:** Undetermined.

**Initial boiling point and boiling range:** Not determined.

**Flash point:** Not applicable.

**Flammability (solid, gas):** Not determined.

**Ignition temperature:** Not determined.

**Decomposition temperature:** Not determined.

**Auto-ignition temperature:** Not determined.

**Explosive properties:** Product does not present an explosion hazard.

##### EXPLOSION LIMITS

**Lower:** Not determined.

**Upper:** Not determined.

**VOC Content:** Not determined.

**Vapour pressure:** Not applicable.

**Density at 20 °C:** 1.3 g/cm<sup>3</sup>

**Relative density:** Not determined.

**Vapour density:** Not determined.

**Solubility in/Miscibility with:-**

**Water:** Insoluble.

**Partition coefficient: n-octanol/water:** Not determined.

##### VISCOSITY

**Dynamic:** Not applicable.

**Kinematic:** Not applicable.

**Molecular weight:** Not applicable.

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**Other information:** No further relevant information available.

## 10 Stability and reactivity

**Reactivity:**

Stable under normal conditions.  
No further relevant information available.

**Chemical stability:**

**Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

**Possibility of hazardous reactions**

No dangerous reactions known.  
No further relevant information available.

**Conditions to avoid:** No further relevant information available.

**Incompatible materials:** No further relevant information available.

**Hazardous decomposition products:** Carbon monoxide and carbon dioxide.

## 11 Toxicological information

**Information on toxicological effects:**

**ACUTE TOXICITY**

**Primary irritant effect**

**Skin corrosion/irritation** Causes skin irritation.

**Serious eye damage/irritation** Causes serious eye damage.

**Inhalation:** May cause respiratory irritation.

**Additional toxicological information:**

Causes damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalation.  
May cause cancer. Route of exposure: Inhalation.

## 12 Ecological information

**Toxicity:**

**AQUATIC TOXICITY** No further relevant information available.

**Persistence and degradability:** No further relevant information available.

**BEHAVIOUR IN ENVIRONMENTAL SYSTEMS**

**Bioaccumulative potential:** No further relevant information available.

**Mobility in soil:** No further relevant information available.

**ADDITIONAL ECOLOGICAL INFORMATION**

**General notes:** Must not reach sewage water or drainage ditch undiluted or unneutralised.

**Results of PBT and vPvB assessment:**

**PBT:** Not applicable.

**vPvB:** Not applicable.

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**Other adverse effects:** No further relevant information available.

### 13 Disposal considerations

**Waste treatment methods:**
**Recommendation:**


Must not be disposed together with household garbage. Do not allow product to reach sewage system.

**UNCLEANED PACKAGING**
**Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

<b>UN-Number</b> ADR, ADN, IMDG, IATA	Not Regulated
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<b>UN proper shipping name</b> ADR, ADN, IMDG, IATA	Not Regulated
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<b>Transport hazard class(es)</b> ADR, ADN, IMDG, IATA Class	Not Regulated
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<b>Packing group</b> ADR, IMDG, IATA	Not Regulated
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<b>Environmental hazards:</b>	Not applicable.
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<b>Special precautions for user:</b>	Not applicable.
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<b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:</b>	Not Regulated
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### 15 Regulatory information

**Safety, health and environmental regulations/legislation specific for the substance or mixture:**

See Section 2 for hazard identification.

**HSNO Approval numbers**

14808-60-7	Quartz (SiO <sub>2</sub> )	HSR003125
1305-78-8	Calcium oxide	HSR002926

**Registered in the international inventory lists:** NZIoC (New Zealand)

**Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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**16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Department issuing SDS:**

EHS Department,  
Asia Pacific Region  
SCIP, Canlubang, Calamba City, Laguna  
Philippines 4028  
Tel: +63 (02) 236-6820 to 24

**Other Information:**

In June 2003, SCOEL, the EU Scientific Committee on Occupational Exposure Limits concluded that the main effect in humans of the inhalation of respirable crystalline silica dust is silicosis.

There is sufficient information to conclude that the relative risk of lung cancer is increased in persons with silicosis. Therefore preventing the onset of silicosis will also reduce the cancer risk.

**The first date of preparation:** 26.11.2018

**Number of revision times and the latest revision date:** 1.0 / 18.09.2019

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