



## Section 1. Identification

**GHS product identifier** : **CONTEC PLUG**  
**Product type** : Solid (Powder)

Relevant identified uses of the substance or mixture and uses advised against: not applicable

**Supplier / Manufacturer** : Concrete Protection Pty Ltd  
155 Barkly Avenue  
Burnley, Victoria. 3121  
Australia  
**Telephone no.** : + 61 3 9429 3377  
**Email** : info@conpro.com.au  
**Emergency telephone no.** : + 61 13 11 26

## Section 2. Hazards Identification

**Classification of the substance or mixture** : Skin corrosion/irritation – Category 2  
Serious eye damage / irritation – Category 1  
Specific target organ toxicity – single Exposure – Category 3  
(Respiratory system)

### GHS Label elements

**Hazard pictograms** :



**Signal word** : Danger  
**Hazard statements** : H315 Causes skin irritation  
H318 Causes serious eye damage  
H355 May cause respiratory irritation

### Precautionary Statements

**General** : Read label before use. Keep out of reach of children.  
If medical advice is needed, have product container or label at hand.

**Prevention** : P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray  
P264 Wash skin thoroughly after handling  
P271 Use only outdoors or in well-ventilated area  
P280 Wear protective gloves/ eye protection/ face protection



- Response** : P302 + P352 IF ON SKIN: wash with plenty of soap and water  
P304 + P340 + P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell.  
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 CENTER or doctor.  
P332 + P313 If skin irritation occurs: Get medical advice/ attention.  
P362 Take off contaminated clothing and wash before reuse.
- Storage** : Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink.  
P403 + P233 Store in well-ventilated place. Keep container tightly closed  
P405 Store locked up.
- Disposal** : P501 Dispose of contents/ container to an approved waste disposal plant.
- Other hazards which do not result in classification** : No signal word

### Section 3. Composition / information on ingredients

- Substance / mixture** : Mixture  
**Other means of identification:** Not available

#### CAS number / other identifiers

- CAS number** : Not applicable  
**EC number** : Mixture  
**Product Code** : 000000

<b>Ingredient name</b>	<b>%</b>	<b>CAS number</b>
Quartz (SiO <sub>2</sub> )	<60%	14808-60-7
Cement, Portland, chemicals	<20%	65997-15-1
+/- tartaric acid	<20%	87-69-4
Sodium carbonate	<10%	467-19-8

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.



Occupational exposure limits, if available, are listed in section 8.

## Section 4. First-aid measures

### Description of necessary first aid measures

- Eye contact** : Immediate flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
- Skin Contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
- Ingestion** : Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

### Most important symptoms / effects, acute and delayed

#### Potential acute health effects

- Eye contact** : Causes serious eye irritation
- Inhalation** : May cause respiratory irritation/ coughing
- Skin Contact** : May cause skin irritation/ Dermatitis
- Ingestion** : Irritation to mouth, throat and stomach

#### Over-exposed signs / symptoms

- Eye contact** : Adverse symptoms may include the following:
- Pain or irritation
  - Watering
  - redness
- Inhalation** : Adverse symptoms may include the following:
- respiratory tract irritation
  - coughing
  - nausea or vomiting
  - headache
  - drowsiness / fatigue
  - dizziness / vertigo
  - unconsciousness
- Skin Contact** : Adverse symptoms may include the following:



- irritation
- redness

### Indication of immediate medical attention and special treatment needed, if necessary

- Notes to Physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment
- Protection of first-aiders** : no action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

## **Section 5. Fire-fighting measures**

### Extinguishing media

**Suitable extinguishing media:** Use an extinguishing agent suitable for the surrounding fire

**Unsuitable extinguishing media:** None known

### Specific hazards arising

**from the chemical** : In a fire or if heated, a pressure increase will occur and the container may burst.

### Hazardous thermal

**decomposition products** : Decomposition products may include the following materials:

- Carbon dioxide
- Carbon monoxide
- Metal oxide / oxides

### Special protective actions

**for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

### Special protective

**equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with full face-piece operated in positive pressure mode.

## **Section 6. Accidental release measures**

### Personal precautions, protective equipment and emergency procedures

#### **For non-emergency personnel**

: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not



touch or walk through spilt material. Put on appropriate personal protective equipment.

**For emergency responders :** If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in “For non-emergency personnel”

**Environmental precautions :** Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution.

### Methods and materials for containment and cleaning up

**Small spill :** Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

**Large spill :** Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## **Section 7. Handling and Storage**

### Precautions for safe handling

**Protective measures :** Put on appropriate personal protective equipment. Avoid dust formation. Provide appropriate exhaust ventilation

**Advice on general occupational hygiene :** Eating, drinking and smoking should be prohibited in areas where this material is handled, stored or processed. Workers should wash hands and face before eating, drinking or smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.



Do not breath vapours/ dust.  
Do not get in eyes, on skin, or on clothing

**Conditions for safe  
Storage, including any  
Incompatibilities**

: Store in accordance with local regulations.  
Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

**Section 8. Exposure controls / personal protection**

**Control parameters**

**Occupational exposure limits:**

Quartz (SiO<sub>2</sub>)  
TWA: 30mg/m<sup>3</sup>      Total  
TWA: 10mg/m<sup>3</sup>      Respirable Dust

Cement, Portland, chemicals  
TWA: 50 million particles /cubic foot (dust)  
TWA: 1mg/m<sup>3</sup>      (respirable fraction)

**Appropriate engineering  
controls**

: Good general ventilation should be sufficient to control worker exposure to airborne contaminants

**Environmental exposure  
controls**

: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers. Filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

**Individual protection measures**

**Hygiene measures**

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, drinking, smoking and using the lavatory and at the end of the working period.  
Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye / face protection**

: Safety eyewear complying with an approved standard should



be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side shields.

### Skin protection

#### **Hand protection**

: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

#### **Body protection**

: Personal protective equipment for the body should be selected based on the task being performed and the risk involved and should be approved by a specialist before handling this product.

#### **Other skin protection**

: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

#### **Respiratory protection**

: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

## **Section 9. Physical and Chemical properties**

### Appearance

<b>Physical state</b>	:	Powder
<b>Colour</b>	:	grey
<b>Odour</b>	:	Characteristic
<b>Odour threshold</b>	:	Not available
<b>pH</b>	:	Not available
<b>Melting point</b>	:	Not available
<b>Boiling point</b>	:	Not available
<b>Flash Point</b>	:	Closed cup: Not applicable
<b>Burning time</b>	:	Not applicable
<b>Burning rate</b>	:	Not applicable
<b>Evaporation rate</b>	:	Not available
<b>Flammability (solid, gas)</b>	:	Not available



<b>Lower and upper explosive (Flammable) limits</b>	:	Not applicable
<b>Vapour pressure</b>	:	Not applicable
<b>Vapour density</b>	:	Not available
<b>Density</b>	:	- 1.8 g/cm <sup>3</sup> (20° C)
<b>Solubility</b>	:	Not available
<b>Solubility in water</b>	:	< 10 gm/ litre
<b>Partition coefficient; n- octanol / water</b>	:	Not available
<b>Auto-ignition temperature</b>	:	Not applicable
<b>Decomposition temperature: SADT</b>	:	Not available
<b>Viscosity</b>	:	Not available

### Section 10. Stability and reactivity

<b>Reactivity</b>	:	No specific test data related to reactivity available
<b>Chemical stability</b>	:	The product is stable
<b>Possibility of hazardous reactions</b>	:	Under normal conditions of storage and use, hazardous reactions will not occur
<b>Conditions to avoid</b>	:	No specific data
<b>Incompatible materials</b>	:	No specific data
<b>Hazardous decomposition Products'</b>	:	Under normal conditions of storage and use, hazardous decomposition should not be produced.

### Section 11. Toxicological information

#### Information on toxicological effects

**Acute toxicity** :

Product / ingredient name	Result	Species	Dose	Exposure
(+)- tartaric acid	LD50 Dermal	Rabbit	>5001 mg/kg	-
	LD50 Oral	Rat	>2001 mg/kg	-

<b>Irritation / Corrosion</b>	:	Not available
<b>Sensitisation</b>	:	Not available
<b>Mutagenicity</b>	:	Not available
<b>Carcinogenicity</b>	:	Not available
<b>Reproductive toxicity</b>	:	Not available
<b>Teratogenicity</b>	:	Not available





**Specific target organ toxicity (single exposure)**

Name	Category	Route of exposure	Target organs
Tartaric acid, quartz, cement, chemicals	Category 3	Not applicable	Respiratory system

**Specific target organ toxicity (repeated exposure)**

Not available

**Aspiration hazard**

Name	Result
Tartaric acid, quartz, cement, chemicals	ASPIRATION HAZARD – Category 1

**Information on the likely routes of exposure**

: Not available

**Potential acute health effects**

- Eye contact** : Causes serious eye irritation
- Inhalation** : Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. May cause respiratory irritation
- Skin contact** : Causes skin irritation
- Ingestion** : Can cause central nervous system (CNS) depression. Irritating to mouth, throat and stomach.

**Symptoms related to the physical, chemical and toxicological characteristics**

- Eye contact** : Adverse symptoms may include the following:
  - Pain or irritation
  - Watering
  - redness
- Inhalation** : Adverse symptoms may include the following:
  - respiratory tract irritation
  - coughing
  - nausea or vomiting
  - headache
  - drowsiness / fatigue
  - dizziness / vertigo
  - unconsciousness
- Skin contact** : Adverse symptoms may include the following:
  - irritation
  - redness
- Ingestion** : No specific data

**Delayed and immediate effects and also chronic effects from short and long term exposure**



### Short term exposure

Potential immediate effects : Not available

Potential delayed effects : Not available

### Long term exposure

Potential immediate effects : Not available

Potential delayed effects : Not available

### Potential chronic health effects

General : No known significant effects or critical hazards

Carcinogenicity : No known significant effects or critical hazards

Mutagenicity : No known significant effects or critical hazards

Teratogenicity : No known significant effects or critical hazards

Developmental effects : No known significant effects or critical hazards

Fertility effects : No known significant effects or critical hazards

### Numerical measures of toxicity

Acute toxicity estimates : Not available

## **Section 12. Ecological information**

Toxicity : (+)- tartaric acid:  
Toxicity to fish: LC50: > 100mg/l : exposure 96 hrs  
Toxicity to daphnia etc. LC50: 93.3 mg/l: exposure 48 hrs

Persistence and degradability : Not available

Bioaccumulative potential : Not available

### Mobility in soil

#### Soil / water partition

Coefficient (K<sub>oc</sub>) : Not available

Other adverse effects : No known significant effects or critical hazards

## **Section 13. Disposal considerations**



**Disposal methods** : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licenced waste disposal contractor. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

**Section 14. Transport information**

Regulation	UN number	Proper shipping name	Classes	PG*	Label	Additional information
ADG	Not regulated		-	-		-
ADR	Not regulated		-	-		-
IMDG	Not regulated		-	-		-
IATA	Not regulated		-	-		-

PG\* : Packing group

**Section 15. Regulatory information**

**Safety, health and environmental regulations specific for the product** :

No known specific national and/or regional regulations applicable to this product

**Standard Uniform Schedule of Medicine and Poisons**

Not regulated

**Control of Scheduled Carcinogenic Substances**

**Australian inventory (AICS):** All components are listed or exempted



**EU Classification** : Not classified  
**HCS Classification** : Carcinogen, target organ effects

## Section 16. Other information

### History

**Date of Printing** : 27/12/2017  
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**Date of revision** : 27/12/2017  
**Date of previous issue** : No previous validation  
**Version** : 1

**Key to abbreviations** : ATE = Acute Toxicity Estimate  
BCF = Bioconcentration Factor  
GHS = Globally Harmonized System of classification  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Marine Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978 (Marpol = marine pollution)  
UN = United Nations

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