

## SAFETY DATA SHEET

## Cement Pigment - Oxides

## Section 1: Identification of the Material and Supplier

## Company Details

## Cement Australia Pty Limited

ABN 75 104 053 474

18 Station Avenue  
Darra, Queensland 4076

Tel: 1300 CEMENT (1300 236 368)

Fax: 1800 CEMENT (1800 236 368)

Website: www.cementaustralia.com.au

## Emergency Contact Number:

Telephone: 1300 CEMENT (1300 236 368 - Business Hours) or  
Poisons Information Centre 13 11 26

## Company Details - Manufacturer

## TCM

35 Merri Concourse  
Campbellfield, VIC, 3061

Tel: 03 9357 8582

## Product

**Name:** Iron Oxide Pigment**Other Names:** Yellow, Marigold, Red, Brown, Terracotta, Beige, Black, Dark Brown, Light Brown, Sandstone, White**Use:** Oxides are used as a concrete additive colorant/pigment

## Section 2: Hazards Identification

## GHS Classification

N / A

## GHS Signal Word

N / A

## GHS Pictogram/s

N / A

Irritating to eyes, respiratory system, and skin.

May cause sensitisation by skin contact.

Do not breathe dust.

Avoid contact with skin and eyes.

After contact with skin wash immediately with plenty of soap.

Do not empty into drains.

Wear suitable protective clothing, gloves, and eye/face protection.

## Hazard Statements

No signal word, pictograms, hazard, or  
precautionary statements have been  
allocatedFor more information call **1300 CEMENT** (1300 236 368)  
or visit [www.cementaustralia.com.au](http://www.cementaustralia.com.au)*Mix it with the best.*

## Section 3: Composition/Information on Ingredients

Ingredient	CAS Number	EC Number	Content
Limestone (Calcium Carbonate)	1317-65-3	215-279-6	0 to 80%
Titanium Dioxide	13463-67-7	236-675-5	0 to 100%
Iron Hydroxide Oxide	20344-49-4	243-746-4	0 to 100%
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> )	1309-37-1	215-168-2	0 to 100%
Iron Oxide (Fe <sub>3</sub> O <sub>4</sub> )	1317-61-9	215-277-5	0 to 100%

## Section 4: Health Hazard Information

### Short Term (Acute) Exposure

- Swallowed:** No significant effects
- Eyes:** Irritating to the eyes. Seek medical attention if irritation persists.
- Skin:** No significant effects
- Inhaled:** Cement pigment is irritating to the nose, throat and respiratory tract causing coughing and sneezing

### Long Term (Chronic) Exposure

- Eyes:** In dust form, it may cause mechanical irritation
- Skin:** No significant effects
- Inhaled:** May be discomforting. Persons with pre-existing respiratory conditions may be affected to a greater extent

### First Aid Measures

- Swallowed:** Rinse mouth and lips with water.
- Eyes:** Flush thoroughly with flowing water for 15 minutes. Check for and remove contact lenses. If irritation symptoms persist, seek medical attention.
- Skin:** Wash thoroughly with water. Shower if necessary.
- Inhaled:** Move to fresh air, away from dusty area. If symptoms persist, seek medical attention. If unconscious, place in recovery position and seek medical attention immediately.
- First Aid Facilities:** Eye wash station.
- Advice to Doctor:** Treat symptomatically.

## Section 5: Fire Fighting Measures

- Fire/Explosion Hazard:** None. Cement Pigments are stable substances, compatible with most other building materials. Burning may produce obnoxious sand toxic fumes.
- Hazchem Code:** None allocated
- Flammability:** Not flammable
- Extinguishing Media:** Use extinguishing agent suitable for surrounding fire
- Hazards from Combustion Products:** None known
- Special Protective Precautions and equipment for fire fighters:** Wear self-contained breathing apparatus

## Section 6: Accidental Release Measures

**Spills and Disposal:** Pigment spills are best cleaned up by vacuum device. Where sweeping or shovelling is required a fine water spray should be applied to prevent the dispersion of dust into the air.  
Personnel exposed to pigment powder in confined environments should use relevant PPE.  
Keep product out of storm water and sewer drains.  
Dispose of without creating dust.

## Section 7: Handling and Storage

**Handling:** Storage of pigment may be in containers or plastic lined multi-ply paper bags. Keep in a cool dry environment. Store in original container.

**Storage:** Avoid dust formation.

## Section 8: Exposure Controls/Personal Protection

Ingredient	Reference	TWA	
		ppm	mg/m3
Calcium Carbonate	SWA (AUS)	--	10
Iron Oxide (Fe2O3)	SWA (AUS)	--	5
Iron oxide (as Fe)	SWA (AUS)	--	5
Titanium dioxide (a)	SWA (AUS)	--	10

### Biological Limits

No biological limit values have been entered for this product.

### Exposure controls

**Engineering controls:** Avoid inhalation. Use in well ventilated areas. Maintain dust levels below the recommended exposure standard.

### Personal protection measures

**Respiratory:** recommended dust protection mask.

**Hand Protection:** recommended protective gloves.

**Eye Protection:** Safety glasses or if high dust levels dust proof glasses.

**Hygiene measures:** Do not eat, drink, or smoke at work. Wash hands, forearms, and face after handling chemical products and before eating, smoking, and going to lavatory and at end of working period.

## Section 9: Physical and Chemical Properties

**Appearance:** Powder

**Odour:** No odour

**Boiling/Melting Point:** N/A

**Freezing/Melting Point:** N/A

**Vapour Pressure:** Not applicable

**Specific Gravity:** 4.8 g/cm<sup>3</sup> approx

**Flash Point:** Not applicable

**Solubility:** Insoluble

## Section 10: Stability and Reactivity

<b>Chemical Stability:</b>	Stable under normal conditions
<b>Conditions to Avoid:</b>	Avoid dust formation. At >80 Centigrade product may oxidise, and this may generate additional heat. Do not store near heat sources.
<b>Incompatible Materials:</b>	None known
<b>Hazardous Decomposition Products:</b>	None with normal processing
<b>Hazardous Reactions:</b>	None under normal conditions

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## Section 11: Toxicological Information

### Information on toxicological effects

**Acute toxicity:** This product is expected to be of low toxicity. Under normal conditions of use, adverse health effects are not anticipated.

Oral acute toxicity: LD50 (rat) > 10 000 mg/kg

Inhalation acute toxicity: LD50 (rat) > 200 mg/m<sup>3</sup>/2 weeks

**Skin:** Not classified as a skin irritant. Contact may result in mechanical irritation, redness, and rash.

**Eye:** Not classified as an eye irritant. However, this product may cause mechanical eye irritation and lacrimation.

**Sensitization:** Not known to be a skin or respiratory sensitiser

**Mutagenicity:** Insufficient data

**Carcinogenicity:** Not classified as a carcinogen. However, titanium dioxide is classified as possibly carcinogenic to humans.

**Reproductive:** Insufficient data.

**Aspiration:** This product is a solid and aspiration hazards are not expected to occur.

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## Section 12: Ecological Information

### Toxicity

The main components of this product are not anticipated to cause any adverse effects to the environment Acute EC50 (microorganisms) > 10 000 mg/L/3hrs.

Acute EC50 (daphnia magna) > 100 mg/L/48hrs

**Persistence and durability:** Product is persistent and would have a low degradability

**Bio-accumulative potential:** This product is not expected to bioaccumulate.

**Mobility in soil:** A low mobility would be expected in a landfill situation.

**Other adverse effects:** Avoid contamination of drains and waterways.

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## Section 13: Disposal Considerations

Cement pigment can be disposed of in approved chemical landfill or incinerated in accordance with applicable regulations.

Keep material out of storm water and sewer drains.

Measures should be taken to prevent dust generation and personnel should use recommended personal protective equipment

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## Section 14: Transport Information

Transportation is done in bag form by, Rail and Road.

<b>UN Number:</b>	None allocated
<b>Proper Shipping Name:</b>	None allocated
<b>Class and Subsidiary Risk:</b>	None allocated
<b>Packing Group:</b>	None allocated
<b>Special precautions for user:</b>	Avoid generating and breathing dust
<b>Hazchem Code:</b>	None allocated

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## Section 15: Regulatory Information

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

**Poison Schedule:** A poison schedule number has not been allocated to this product using the criteria in the

**Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)**

**Classifications:** SafeWork Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals.

**Hazard codes:** None allocated.

**Risk phrases:** None allocated.

**Safety phrases:** None allocated.

**Inventory listing(s):** Australia: AICS (Australian Inventory of Chemical Substances) All components are listed on AICS or are exempt.

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## Section 16: Other Information

<b>For further information on this product contact:</b>	<b>Telephone:</b> 1300 CEMENT (1300 236 368) (Business Hours) <b>Facsimile:</b> 1800 CEMENT (1800 236 368)
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**Next Review Date for this MSDS: 31 December 2024.**

[END SDS]

## Advice Note:

Cement Australia believes the information in this document to be accurate as at the date of preparation noted below, but, to the maximum extent permitted by law, Cement Australia accepts no responsibility for any loss or damage caused by any person acting or refraining from action because of this information.

The provision of this information should not be construed by anyone as a recommendation to use this product. In particular, no one should use any product in violation of any patent or other intellectual proprietary rights or in breach of any statute or regulation.

Users should rely on their own knowledge and inquiries and make their own determination as to the applicability of this information in relation to their particular purposes and specific circumstances. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace and in conjunction with other substances or products.