

## SAFETY DATA SHEET

# Cement Pigment - Black

This product is classified as non-hazardous per criteria of NOHSC (Worksafe Australia).

## 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:

**Contact Person:** Technical Manager  
Telephone: 1300 CEMENT (1300 236 368 - Business Hours) or  
Poisons Information Centre 13 11 26

### Company Details - Manufacturer

#### Lanxess Deutschland GmbH

C/- Lanxess  
Units 1 & 5      Tel: 02 9748 3911  
31 Homebush bay      Fax: 02 9748 3735  
NSW 2127

#### TCM

35 Merri Concourse      Tel: 03 9357 8582  
Campbellfield      Fax: 03 9357 8586  
VIC 3061      www.tcmcolour.com.au

### Product

**Name:** Cement Pigment: Black, Black 318, Black 330

**Other Names:** Bayferrox Black 318

**Use:** Cement Pigment – Black oxide is used as a cement colorant

## Section 2: Hazards Identification

**Hazchem Code:** None Allocated

**UN Number:** None Allocated

**Poisons Schedule:** None Allocated

**Dangerous Good Class:** None Allocated

### Risk Phrases

**R36/37/38:** Irritating to eyes, respiratory system and skin.

**R43:** May cause sensitisation by skin contact.

### Safety Phrases

**S22:** Do not breathe dust.

**S24/25:** Avoid contact with skin and eyes.

**S28:** After contact with skin wash immediately with plenty of soap.

**S29:** Do not empty into drains.

**S36/37/39:** Wear suitable protective clothing, gloves and eye/face protection.

For 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

Chemical Entity	Proportion	CAS Number
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> )	>95%	1317-61-9

## Section 4: Health Hazard Information

### Short Term (Acute) Exposure

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

### Long Term (Chronic) Exposure

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

### First Aid Measures

<b>Swallowed:</b>	Rinse mouth and lips with water.
<b>Eyes:</b>	Flush thoroughly with flowing water for 15 minutes. Check for and remove contact lenses. If irritation symptoms persist, seek medical attention.
<b>Skin:</b>	Wash thoroughly with water. Shower if necessary.
<b>Inhaled:</b>	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.
<b>First Aid Facilities:</b>	Eye wash station.
<b>Advice to Doctor:</b>	Treat symptomatically.

## Section 5: Fire Fighting Measures

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

## Section 6: Accidental Release Measures

<b>Spills and Disposal:</b>	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

<b>Handling:</b>	Storage of pigment may be in containers or plastic lined multi-ply paper bags. Keep in a cool dry environment. Store in original container.
<b>Storage:</b>	Avoid dust formation.

---

## Section 8: Exposure Controls/Personal Protection

<b>Exposure Limits:</b>	<b>Fine Dust:</b> 3 mg/m <sub>3</sub> TWA measures as inspirable dust
<b>Recommendations:</b>	Keep exposure to dust as low as practicable, to minimise health problems such as skin, eye and respiratory irritation. Cigarette smoking increased the risk of occupational respiratory disease. It is recommended that all storage and work areas be smoke free zones.
<b>Engineering Controls:</b>	All work with pigments should be carried out in such a way as to minimise exposure to dust and repeated skin contact. When handling cement pigments, use local mechanical ventilation or extraction in areas where dust could escape into the work environment. For bulk deliveries, closed pumping systems are recommended. For handling of individual bags, follow instructions below if no local exhaust ventilation is available. Work areas should be cleaned regularly by wet sweeping or vacuuming. If generated dust cannot be avoided follow personal protection recommendations.

### Personal Protection

<b>Skin:</b>	If handling cement pigments, wet concrete, mortar or grout personnel should wear loose comfortable protective clothing and impervious boots. Apply barrier cream to hands or wear gloves (AS 2161). Wash skin thoroughly after handling. Wash work clothing regularly and separately from other clothing. It is recommended workers should shower with soap and water.
<b>Eyes:</b>	Safety Glasses with side shields or safety goggles (dust resistant AS/NZ 1336) should be worn in areas if dust is likely to be generated.
<b>Respiratory:</b>	In dusty environments use a filter mask AS1715 and AS1716 (Class P1 or P2) and tight fitting goggles (AS/NZS 1336). Use only respirators that bear the Australian Standards mark and are fitted correctly. Note that persons with facial hair will have difficulty in obtaining a satisfactory face seal.
<b>Ventilation:</b>	Local dust extraction and collection may be used, if necessary, to control airborne dust levels
<b>Flammability:</b>	Non-flammable. Does not support combustion of other materials.

---

## Section 9: Physical and Chemical Properties

<b>Appearance:</b>	Black Powder
<b>Odour:</b>	No odour
<b>pH:</b>	Not applicable
<b>Freezing/Melting Point:</b>	>1000°C
<b>Vapour Pressure:</b>	Not applicable
<b>Specific Gravity:</b>	4.7 g/cm <sup>3</sup> approx
<b>Flash Point:</b>	Not applicable
<b>Solubility:</b>	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

---

## Section 11: Toxicological Information

LD<sub>50</sub> (oral) in rats >2000mg/kg

---

## Section 12: Ecological Information

<b>Ecotoxicity:</b>	Acute LC <sub>50</sub> in fish (Leuciscusidus) >1000mg/L (96 hour exposure)
<b>Persistence and Degradability:</b>	Product is persistent and would have a low degradability.
<b>Mobility:</b>	A low mobility would be expected in a landfill situation.

---

## 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

---

## 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

---

## Section 15: Regulatory Information

Australian Legislation: Classified Not Hazardous according to NOHSC (Worksafe Australia) criteria.

---

## Section 16: Other Information

**For further information on this product contact:**

**Telephone:** 1300 CEMENT (1300 236 368) (Business Hours)

**Facsimile:** 1800 CEMENT (1800 236 368)

---

**Next Review Date for this MSDS: 31 December 2020.**

### Australian and New Zealand Standards:

AS 2161: Industrial Safety Gloves and Mittens (excluding electrical and medical gloves).

AS/NZ 1336: Recommended Practices for Occupational Eye Protection.

AS/NZS 1715: Selection, use and maintenance of respiratory protective devices.

AS/NZS 1716: Respiratory protective devices.

AS/NZS 4501: Occupational protective clothing.

### 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.