



# Material Safety Data Sheet

## FW5190 Deep Brown

This substance is not hazardous according to criteria of Worksafe Australia.

**Company Details**  
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Date Of Issue: April 2014

### IDENTIFICATION

Product Name	Deep Brown
Other Names	None
Manufacturers Product Code	FW5190
UN Number	N/A
Dangerous Goods Class & Subsidiary Code	N/A
Hazchem Code	N/A
Poisons Schedule Number	N/A
Use(s)	Decoration of ceramic & pottery ware.

### PHYSICAL DESCRIPTION / PROPERTIES

Appearance	Fine brown powder.
Boiling Point / Melting Point	Not applicable
Vapour Pressure	Not applicable
Specific Gravity	Not applicable
Flashpoint	Not applicable
Flammability Limits	Non-flammable.
Solubility in Water	Not applicable
Other Properties	This product is a mixture of various metal oxides, salts and some compounds, considered to be a nuisance dust, are interfused to form the final product, which does not represent individual components.

### INGREDIENTS

Chemical Name	CAS Number	Proportion (%)
Chrome Iron Manganese Spinel	68555-06-6	80-100
Chrome Oxide (Cr2O3)	1313-13-2	<10
Manganese Compound	7349-96-5	<10

### HEALTH HAZARD INFORMATION

<b>Acute</b>	
Swallowed	Toxic, Large oral doses may cause gastrointestinal irritation, excessive coughing and intestinal disorders.
Eye	Dust may cause irritation to eyes.
Skin	Dust may cause irritation and dryness of the skin.
Inhaled	Breathing dust may cause respiratory irritation and disabling progressive pulmonary fibrosis due to the free quartz silica.
<b>Chronic</b>	Silica- Undue breathlessness, wheezing, coughing and sputum production. Long-term exposure to silica dust can cause silicosis, which is characterized by shortness of breath. Chrome-repeated prolonged exposure may cause delayed effects involving the respiratory tract. Zinc-Inhalation of high levels may result in tightness of the chest, metallic taste, cough, dizziness, fever, chills, headache, nausea and dry throat. Lead and Chromium – Lead or Chromium and their certain compounds are deemed to be possible cancer hazards. Prolonged exposure may cause delayed effects involving the respiratory system. Causes eye and skin irritation. However there have been no studies demonstrating any excess cancer risks in workers exposed to oxides of lead and chrome in their use.

FIRST AID	
Swallowed	Induce vomiting if conscious. Consult doctor.
Eye	Wash affected eyes for at least 15 minutes under running water with eyelids held open. Seek medical attention if irritation persists.
Skin	Remove contaminated clothing. Wash thoroughly with soap and water.
Inhaled	Keep patient calm and remove to fresh air. Give oxygen if necessary.
First Aid Facilities	Ensure an eye bath is available and ready for use.
<b>Advice To Doctor</b>	Treat symptomatically based on judgement of doctor and individual reactions of patient.

PRECAUTIONS FOR USE	
Exposure Standards	<p>Manganese Compounds (as Mn) NOHSC TWA: 1.0 mg/m<sup>3</sup></p> <p>Chrome Oxide (Cr<sub>2</sub>O<sub>3</sub>) NOHSC TWA: 5.0 mg/m<sup>3</sup></p> <p>Silica (crystalline quartz) as dust ACGIH TWA 0.01 mg/m<sup>3</sup></p> <p>ACGIH = American Conference of Governmental Industrial Hygienists. TWA = Time Weighted Average NOHSC = National Health &amp; Safety Commission</p>
Engineering Controls	Ensure workplace is well ventilated.
Personal Protection	Respiratory protection using an approved NIOSH mask where airborne level exceeds appropriate occupational exposure level. Protective clothing. Wash hands and face thoroughly after handling and before work breaks, eating, drinking, smoking and using toilet facilities.
Flammability	Not applicable

SAFE HANDLING INFORMATION	
Storage & Transport	Store and transport in accordance with all regulations. Keep tightly closed in a dry, cool and well-ventilated place. Not subject to hazardous substances labelling.
Spills & Disposal	Dispose of in accordance with all Local, State and Federal regulations by incineration or disposal to landfill.
Fire / Explosion Hazard	Fire fighters should wear full protective clothing including self-contained breathing apparatus. Use water, foam or dry extinguishing media. Use equipment /media appropriate to surrounding fire conditions. Dispose of fire debris and contaminated extinguishing water in accordance with local regulations.

OTHER INFORMATION	
	Ecotoxic effects: no data available

CONTACT POINT	
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This MSDS summarises, at the date of issue, our best knowledge of the health & safety hazard information for this product, and in particular how to safely handle and use this product in the workplace. Since Walker Ceramics and its agents cannot anticipate or control the conditions under which this product may be used, each user must prior to usage, review this MSDS in the context of how the user intends to handle and use this product in the workplace.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact us.

Our responsibility for products sold, is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.