



# Material Safety Data Sheet

## ERC5130 Signal Red Glaze

This substance is hazardous according to criteria of Worksafe Australia.

<b>Company Details</b>	Walker Ceramics 2/21 Research Drive, Croydon South, Victoria 3136, Australia Telephone (03) 8761 6322 Fax (03) 8761 6344 Email <a href="mailto:sales@walkerceramics.com.au">sales@walkerceramics.com.au</a> Website <a href="http://www.walkerceramics.com.au">www.walkerceramics.com.au</a> Date Of Issue: April 2014
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IDENTIFICATION	
Product Name	Signal Red Glaze
Other Names	None
Manufacturers Product Code	ERC5130
UN Number	None
Dangerous Goods Class & Subsidiary Code	None
Hazchem Code	None
Poisons Schedule Number	None
Use(s)	Used in the decoration of pottery & ceramics.

PHYSICAL DESCRIPTION / PROPERTIES	
Appearance	Fine white liquid
Boiling Point / Melting Point	>300°C
Vapour Pressure	Not applicable
Specific Gravity	Approx 2.7
Flashpoint	Not applicable
Flammability Limits	Not applicable
Solubility in Water	Negligible
Other Properties	Glazes are essentially mixtures formed by blending frit powders, clays and other raw materials.

INGREDIENTS		
Chemical Name	CAS Number	Proportion (%)
Silica (Quartz)	14808-60-7	10-30
Borax, anhydrous	1303-96-4	<60
Lead, inorganic as Pb	7439-92-1	10-30
Cadmium	65997-18-4	<5
Selenium	65997-18-4	<1
Kaolin as clay	1332-58-7	<5

**HEALTH HAZARD INFORMATION**

<b>Acute</b>	<p>Properties / Symbols: Xn Harmful</p> <p>R Phrases: R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.</p> <p>The silica for this product is incorporated into the glass like structure of the frit, chemically reacted in the form of silicates or other essentially insoluble complexes. Exposure to the hazardous ingredients can occur if the dust is inhaled or ingested and the ingredients dissolve out. This process is anticipated to occur very slowly. Dust may cause irritation of the eyes, skin and respiratory tract. Prolonged and/or repeated exposure to the dust may result in fibrotic lung damage (silicosis) in some people.</p> <p>Cadmium and its compounds are considered toxic by inhalation or ingestion and can accumulate in the body through absorption via the lungs and gastro-intestinal tract. Prolonged or repeated exposure may cause irreversible effects such as pulmonary (lung) damage and kidney damage. Cadmium and its compounds are listed as animal carcinogens and potential human carcinogens.</p>
Swallowed	Large doses may cause gastro-intestinal irritation.
Eye	The dust may cause irritation of the eyes.
Skin	The dust may cause irritation and dryness of the skin.
Inhaled	Breathing the dust may cause respiratory irritation and discomfort
<b>Chronic</b>	No specific information is available.

**FIRST AID**

Swallowed	Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY. Give liquid paraffin to drink; do not give milk or animal or vegetable fats of any kind.
Eye	Do not use eyewash or ointment of any kind (before obtaining an examination or advice from an eye specialist). Wash immediately with water for at least 10 minutes.
Skin	Wash thoroughly with soap and water. Change into clean clothing and launder contaminated clothing.
Inhaled	Ventilate the premises. The patient is to be removed immediately from the contaminated premises to rest in a well ventilated area. OBTAIN MEDICAL ATTENTION.
First Aid Facilities	Washing area, eye wash.
<b>Advice To Doctor</b>	Treat symptomatically.

**PRECAUTIONS FOR USE**

Exposure Standards	<p>Silica (as respirable dust) ACGHI 0.01 mg/m<sup>3</sup></p> <p>Borax as dust ACGHI 1.0 mg/m<sup>3</sup></p> <p>Lead ACGHI 0.15 mg/m<sup>3</sup></p> <p>Cadmium as Cd NOHSC TWA 0.01 mg/m<sup>3</sup></p> <p>&lt; 1% Selenium in fully fritted CAS: 65997-18-4 EC: 266-047-6 T; R23/25-33</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	Approved respirator to AS1715 to be worn, gloves, safety glasses and protective overalls. Wash hands and face thoroughly after handling and before work breaks, eating, drinking, smoking and using toilet facilities.
Flammability	Not flammable under the conditions of use but the containers may burn.

SAFE HANDLING INFORMATION	
Storage & Transport	<p>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.</p> <p>Handling precautions:            Avoid contact and inhalation of the vapours. See, too, paragraph 8 below.            Do not eat or drink while working.            Do not smoke while working.</p> <p>Incompatible materials:            None in particular.</p> <p>Storage conditions:            None in particular.</p> <p>Instructions as regards storage premises:            Adequately ventilated premises.</p>
Spills & Disposal	<p>Dispose of in accordance with all Local, State and Federal regulations by incineration or disposal to landfill.</p> <p>Measures for personal safety:            Use a mask, gloves and protective clothing.</p> <p>Environmental measures:            If the product has escaped into a water course, into the drainage system, or has contaminated the ground or vegetation, notify the competent authorities.</p> <p>Cleaning methods:            Rapidly recover the product. To do so, wear a mask and protective clothing.            After the product has been recovered, rinse the area and materials involved with water.</p>
Fire / Explosion Hazard	<p>Recommended extinguishers:            Water, CO<sub>2</sub>, Foam, Chemical powders, according to the materials involved in the fire.</p> <p>Extinguishers not to be used:            None in particular.</p> <p>Risks arising from combustion:            Avoid inhaling the fumes.</p> <p>Protective equipment:            Use protection for the respiratory tract.</p>

OTHER INFORMATION	
	<p>Commission Directive 1999/45/EC (Classification, packaging and labelling of dangerous preparation) and subsequent amendments. Regulation (EC) No 1907/2006 (REACH).</p> <p>Symbols:            Xn Harmful</p> <p>R Phrases:            R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.</p> <p>S Phrases:            S21 When using do not smoke.            S25 Avoid contact with eyes.            S36/37 Wear suitable protective clothing and gloves.</p> <p>Contents:            Cadmium in fully fritted</p> <p>Where applicable, refer to the following regulatory provisions :            Directive 96/82/EC ('Control of major-accident hazards').            Directive 98/24/EC ("Protection of the health and safety of workers").</p> <p>Unless adequately fired, utensils glazed with this preparation must not be used as containers for food or beverages. To do so may lead to lead poisoning.</p> <p style="text-align: center;"><b><u>AUSTRALIAN POISONS INFORMATION CENTRE</u></b>            24 HOUR SERVICE 13 11 26            POLICE / FIRE / AMBULANCE 000</p>

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.