



# Material Safety Data Sheet

## FK4 Sand Dune Design Colour

Not classified as Hazardous According To Criteria Of Safe Work 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	Sand Dune Design Colour Liquid Concentrate
Other Names	None
Manufacturers Product Code	FK4
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. Ceramic stains or pigments are formed by high temperature calcination and silica or feldspar.

### PHYSICAL DESCRIPTION / PROPERTIES

Appearance	Yellow viscose liquid.
Boiling Point / Melting Point	197°C+
Vapour Pressure	< 1mm of Hg
Specific Gravity	1.4
Flashpoint	Not applicable
Flammability Limits	Non-flammable.
Solubility in Water	Not applicable
Other Properties	Miscible with water, alcohol and ether.

### INGREDIENTS

Chemical Name	CAS Number	Proportion (%)
Silica	14808-60-7	<10
Zirconium Praeseodymium Yellow Zircon	68187-15-5	<10
Chrome oxide	1308-39-9	<5
Iron Oxide	1309-37-1	<5
Lead Oxide	1314-41-6	<5
Zinc Oxide	1344-13-2	<5
Aluminium Oxide	1344-28-1	<5
Clycerine	56-81-5	<5
Ingredients determined not to be hazardous		Up to 100

### HEALTH HAZARD INFORMATION

<b>Acute</b>	
Swallowed	Large oral doses may cause gastrointestinal irritation.
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 discomfort.
<b>Chronic</b>	Zinc, Chromium, Lead & their certain compounds are deemed a possible cancer hazard. Silica dust may cause mechanical irritation of the eyes, skin & respiratory tract. Prolonged exposure to crystalline silica dust can result in silicosis in some people.

FIRST AID	
Swallowed	Rinse mouth and then drink plenty of water in small sips.
Eye	Wash affected eyes for at least 15 minutes under running water with eyelids held open. Seek medical attention if irritation persists.
Skin	Wash thoroughly with soap and water.
Inhaled	Keep patient calm and remove to fresh air.
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>Silica TWA 0.1mg/m3 as respirable dust.</p> <p>Zirconium Praeseodymium Yellow Zircon 0.150 mg/m3 as dust referring to compounds AGCHI TWA</p> <p>Glycerine 10 mg/m3 ACGIH TWA as vapour</p> <p>Chrome oxide as Chrome TWA 0.5 mg/m3</p> <p>Iron Oxide TWA 0.5 mg/m3 as Iron</p> <p>Zinc Oxide TWA 05 mg/m3 as fume 10 mg/m3 as dust</p> <p>Aluminium Oxide TWA 05 mg/m3 as Alumina</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	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.