



Clays Glazes Colours

**Cesco**  
Glazes & Colours

# Material Safety Data Sheet

## FF3

### Spruce Green

**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	Spruce Green Wunder Colour.
Other Names	Liquid opaque underglaze.
Manufacturers Product Code	FF3
UN Number	None
Dangerous Goods Class & Subsidiary Code	None
Hazchem Code	None
Poisons Schedule Number	None
Use(s)	Decoration of pottery & ceramics.

#### PHYSICAL DESCRIPTION / PROPERTIES

Appearance	Green viscose liquid.
Boiling Point / Melting Point	>400°C
Vapour Pressure	< 1mm of Hg
Specific Gravity	1.3-1.4
Flashpoint	Not applicable.
Flammability Limits	Non-flammable.
Solubility in Water	Not applicable.
Other Properties	The silica in this product is in a mixture of inorganic substances produced by rapidly quenching a molten, complex combination of materials, confining the chemical substances thus manufactured as non-migratory components of glassy granules.

#### INGREDIENTS

Chemical Name	CAS Number	Proportion (%)
Clay as Kaolin	1332-58-7	<50
Silica	14808-60-7	15-30
Zircon	14940-68-2	<5
Yellow Inclusion Pigment	68187-15-5	<5
Green Inclusion Pigment	68186-95-8	<5
Green Inclusion Pigment	68909-79-5	<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>	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, crystalline NOHSC TWA 0.1mg/m3 as respirable dust.</p> <p>Zirconium Compounds as Zr NOHSC TWA 5.0 mg/m3</p> <p>Clay as Kaolin NOHSC TWA 2.0mg/m3 as respirable dust.</p> <p>Vanadium (respirable dust &amp; fume) as V205 NOHSC TWA 0.05 mg/m3</p> <p>Chromium (III) Compounds as Chrome NOHSC TWA 0.5 mg/m3</p> <p>Aluminium Oxide as Aluminium NOHSC TWA 15.0 mg/m3</p> <p>ACGIH = American Conference of Governmental Industrial Hygenists. TWA = Time Weighted Average NOHSC =National Health &amp; Safety Commission</p>
Engineering Controls	Ensure workplace is well ventilated.
Personal Protection	Protective overalls. 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.
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	
AUSTRALIAN POISONS INFORMATION CENTRE 24 HOUR SERVICE 13 11 26 POLICE OR FIRE BRIGADE 000	

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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.