



FIRED UP KILNS

and pottery supplies

SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1. Product identifier & Details of Supplier of the safety data sheet

Item No.: 14K193
Lilly Green
Mixture of Minerals and Ceramic Colour

Fired Up Kilns (AUS)

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Heidelberg West 3081 Victoria Australia
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Emergency telephone number

AUS +61(0) 3 7013 9025 Office hours

2. Composition

Component	C.A.S.	EINECS	Symbol	Risk Phrase	% of composition
C I Pigment Yellow 159 (Zr/Si/Pr/Ba)	68187-15-5	2690757	Xn	20/22,23	50 - 75

The barium content gives rise to the product being classified as 'Harmful' (EC Directives and UK regulations).
Additional materials give rise to no significant specific hazard.

3. Hazard identification

Inhalation:	Excessive exposure may cause damage to the lungs and kidneys
Ingestion:	The product is of low solubility in body fluids and it is likely to be of low acute toxicity
Eyes:	May cause physical irritation and inflammation
Skin:	The material is not a primary irritant, but as with any abrasive powder it may give rise to minor irritation

4. First Aid Measures

Inhalation:	Remove patient to fresh air, loosen clothing and seek medical attention
Ingestion:	Do not induce vomiting, seek medical advice
Eyes:	Wash immediately with copious amounts of water
Skin:	Wash affected areas with water

5. Fire-fighting Measures

Extinguishing media:	Suitable for surrounding fire conditions
Special exposure hazard:	May emit harmful or toxic fumes but only in extreme conditions (e.g. at temperatures in excess of 1000°C)
Personal protective equipment:	None other than required for surrounding fire conditions

6. Accidental Release Measures

Leaks & spills:	Use suitable vacuum equipment where reasonably practicable, otherwise damp down and scoop into a receptable
Personal protective equipment:	Respiratory protective equipment

7. Handling & Storage

Handling:	Do not eat, drink, or smoke in areas where the material is used Wash thoroughly after handling the material
Storage:	Store in a dry area



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8. Exposure Controls/Personal Protective Equipment

Engineering controls: Adequate ventilation should be provided so that Occupational Exposure Limits are not exceeded

Local Exhaust Ventilation is preferable to personal protection

Personal protective equipment: Where necessary, suitable personal protection should be used (e.g. overalls, gloves, mask)

UK Occupational exposure limits*: mg/m³ 8 hr TWA % in product
*Refer to H.S.E Guidance note EH40

Barium compounds (as Ba)	0.5	3
Zirconium compounds (as Zr)	5	30 – 50
Dusts: Total inhalable	10	
respirable	4	

9. Physical & Chemical Properties

Appearance & odour: Green powder, odourless

Flash point (°C): Not applicable

Flammability: Not applicable

Explosive properties: Non-explosive

Oxidising properties: None

Specific gravity: 3-5

pH value: 7 (insoluble in water)

Melting point (°C): Not available

10. Stability & Reactivity

Chemical stability: The material is stable

Conditions/materials to avoid: None known

Hazardous decomposition products: None known

Hazardous polymerization products: None

11. Toxicological Information

Acute Toxicity: LD₅₀ Oral (rat) Not known

LD₅₀ Dermal Not known

LD₅₀ Inhalation Not known

Health effects: Prolonged or repeated exposure above Occupational Exposure Limits may cause lung or kidney damage.

12. Ecological Information

Ecotoxicity: Not known

Persistence: The product is chemically stable and will persist in the environment.

13. Disposal Considerations

Dispose of in accordance with current Waste Disposal Regulations (for UK.... Special Waste Regulations 1996).

Landfill is the most appropriate method.

14. Transport Information

U.N./S.I. No.: Not restricted

U.N. Class: Not restricted

Packing group: Not restricted

Road: U.K.: Not restricted

A.D.R. Not restricted

Sea: I.M.O. Not restricted

Air: I.C.A.O. Not restricted



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15. Regulatory Information

EC Supply labelling:	Harmful X _n	
R-Phrases:	R 20/22 R 33	Harmful by inhalation and if swallowed Danager of cumulative effects
S-Phrases:	S13 S20/21 S22/23 S28	Keep away from food, drink and animal feeding stuffs When using do not eat, drink or smoke Do not breathe dust or fumes / spray After contact with skin, wash immediately with plenty of water

In accordance with the H.S.E Approved Code of Practice for CHIP, the recipient is reminded of their obligations under both the Health and Safety at Work Act (HSWA) and the Control of Substances Hazardous to Health Regulations (COSHH), and that the information in any safety data sheet does not constitute the users assessment of workplace risk.

16. Other Information

References:

ADR	European agreement concerning international transport of dangerous goods by road (Accord europeen relative au transport international des marchandises Dangereuses par Route).
CAS	International reference numbers for chemical substances (Chemical Abstracts Service).
CHIP	Chemicals (Hazard Information and Packaging) regulations 1993, and later revisions
CHIP SDS ACOP	H.S.C Approved Code of Practice for Safety Data Sheets in accordance with the CHIP regulations.
COSHH ACOP	H.S.C. Approved Code of Practice for Safety Data Sheets in accordance with the CHIP regulations.
EINECS	European Inventory of Existing commercial Chemical Substance
HSE EH40	H.S.E Guidance note EH40 on Occupational Exposure Limits (revised annually), to be used in conjunction with the COSHH regulations.
HSWA	Health and Safety at Work Act 1974
ICAO	International Civil Aviation Organisation
IMO	International Maritime Organisation
LC50	Concentration which is lethal by inhalation to 50% of a defined population (eg: rats) within a specified time
LD50	Dose which is lethal orally or dermally to 50% of a defined population e: rats) within a specified time
UN	United Nations

Disclaimer

Since the specific conditions of use of the product are outside the control of the supplier, the user is responsible for ensuring that the requirements of the relevant legislation are complied with. The information within this safety data sheet is correct to the best of our knowledge and information at the date of publication. The information relates only to the specific product designated any may not be valid for the product if used in combination with any products or any processes other than those specified in the text.