

# LIME KILN DUST

## PRODUCT DESCRIPTION

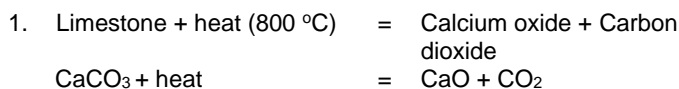
Cockburn Cement produces Lime Kiln Dust at its Munster Works in Munster, Western Australia.

### What is Lime Kiln Dust?

Lime Kiln Dust is a by-product of Quicklime production.

The manufacture of Lime Kiln Dust starts by calcining high quality limestone (Calcium carbonate) at elevated temperatures to produce Quicklime (Calcium oxide).

Reactions are as follows:



The calcination process produces a dust, which is a mixture of partially calcined limestone and quicklime. This dust is screened out and is known as Lime Kiln Dust.

## SUPPLY

Lime Kiln Dust is available in bulk and nominal 1 tonne bulk bags from the Munster Works.

## SPECIFICATION

All products are manufactured under a third party certified manufacturing and supply quality assurance system to AS/NZS ISO 9001 (BSI Certification No FS 604665).

## SAFETY INFORMATION

For safety information refer to the Safety Data Sheet for Lime Kiln Dust.

## HANDLING AND STORAGE

Transportation may be in bulk road or rail tankers, in bulk bags, or in paper bags. Lime Kiln Dust can be stored in fit-for-purpose silos, or in bulk bags for up to one year, provided suitable protection against moisture ingress.

## TYPICAL PROPERTIES

Oxide	Typical Analysis %
SiO <sub>2</sub>	1.1
Al <sub>2</sub> O <sub>3</sub>	0.5
Fe <sub>2</sub> O <sub>3</sub>	0.3
CaO	57.0
MgO	4.4
Loss On Ignition	33.5
Available lime: Ca(OH) <sub>2</sub>	22.0

## APPLICATIONS

Lime Kiln Dust is used primarily for industrial acid neutralisation or in agriculture for pH control.

## CONTACT POINTS

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