



White 'n' White Minerals (P) Ltd.

Jodhpur Tower, Paota Circle,

JODHPUR – 342010

Mb: 098290-22851, 094141-26851

Material Safety Data Sheet

Product Name: *HIGH CALCIUM QUICKLIME*

1. IDENTIFICATION OF THE SUBSTANCE:-

Chemical name:	Calcium oxide
Product name(s):	Steel Grade-Large, Steel Grade-Large Rescreened, Steel Grade-Small, Steel Grade-Small Rescreened, Water Grade-Small, Water Grade-Small Rescreened, Mini Pebble, Rice, PCC Grade-Large Rescreened, PCC Grade-Small Rescreened, Hi Cal Fines, Pulverized Lime, Pulverized Lime
Formula:	CaO
Molecular Weight:	56.08
Material Uses:	Water treatment, steel flux, caustic agent, pH adjustment, acid gas absorption, construction

1.2. COMPANY:-

Main Office: White 'n' White Minerals (P) Ltd.
Jodhpur Tower, Paota Circle,
Jodhpur – 342010
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2. COMPOSITION / INFORMATION ON INGREDIENTS:-

Available CaO	+ 85%
Total Lime i.e. Alkalinity	+ 92%
Silica	1%
MgO (Max)	1%
Fe ₂ O ₃ & Al ₂ O ₃ (Max)	0.2%

3. FIRE FIGHTING MEASURES: -

Flash point:	Non-flammable
Autoignition temperature:	Non-flammable
Inflammability limits:	None
Explosion risk:	None by itself, but heat produced by reaction with strong acids can generate steam and pressure
Hazardous combustion products:	None
Extinguishing media:	Use dry chemical fire extinguisher. Do not use water or halogenated compounds, except that large amounts of water may be used to deluge small quantities of High Calcium Quicklime. Use appropriate extinguishing media for surrounding fire conditions.
Fire fighting instructions:	Keep personnel away from and upwind of fire. Wear full fire-fighting turn-out gear (full Bunker gear), and respiratory protection (self-contained breathing apparatus).

4. PHYSICAL AND CHEMICAL PROPERTIES: -

Physical State:	Solid
Odor & Appearance:	Odorless, white powder
pH:	12.4 in saturated water solution at 25°C
Melting point:	2580°C
Boiling point:	2850°C
Vapor pressure:	Non volatile
Vapor density:	Non volatile
Density:	3.34 g/cc
Solubility:	Reacts with water to produce Ca(OH) ₂ with large amounts of heat. Soluble in acids, glycerin and sugar solutions

10. STABILITY AND REACTIVITY: -

Stability:	Reacts with water to form Ca(OH) ₂ and heat.
Decomposition temperature:	None
Reactivity:	Reacts with acids to form calcium salts while generating heat.
Conditions to avoid:	Reacts with carbon dioxide in air to form calcium carbonate.
Incompatible materials:	Vicinity of incompatible materials
Hazardous decomposition products:	Acids; reactive fluoridated, brominated or phosphorous compounds; aluminum (may form hydrogen gas), reactive powdered metals; organic acid anhydrides; nitro-organic compounds; interhalogenated compounds None