



White 'n' White Minerals (P) Ltd.

Jodhpur Tower, Paota Circle,

JODHPUR – 342010

Mb: 098290-22851, 094141-26851

Material Safety Data Sheet

Product Name: **CALCINED DOLOMITE**

1. Identification of the substance:

Chemical name: Calcium magnesium oxide

Product name: InjectoLime™ Pebble Lime-Large, Pebble Lime-Small, Pebble Lime-Rescreened, Mini Pebble, Pebble Lime, Rice, Fines, Pulverized Lime, Dolopel, Dolopel Fines, HD Dolopel

Formula: $MgO \cdot CaO$

Molecular Weight: 96.38

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.
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Tele Fax: 0291-2551872, 2549851, 2550851
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2. COMPOSITION / INFORMATION ON INGREDIENTS

COMPOSITION	%
CaO	55%
MgO	35%

SiO₂	2%
R₂O₃	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 hydrated lime. 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, grayish-white powder
pH:	12.4 in saturated water solution at 25°C
Melting point:	2570° C
Boiling point:	2850° C
Vapor pressure:	Non volatile
Vapor density:	Non volatile
Relative density:	2.0 – 2.8 g/cc
Solubility:	Reacts with water to produce Ca(OH)_2 and Mg(OH)_2 with large amounts of heat. Soluble in acids, glycerin and sugar solutions

5. STABILITY AND REACTIVITY: -

Stability:	Reacts with water to form Ca(OH)_2 , Mg(OH)_2 and heat.
Decomposition temperature:	None
Reactivity:	Reacts with acids to form calcium salts while generating heat. Reacts with carbon dioxide in air to form calcium carbonate.
Conditions to avoid:	Vicinity of incompatible materials
Incompatible materials:	Acids; reactive fluoridated, brominated or phosphorous compounds; aluminum (may form hydrogen gas), reactive powdered metals; organic acid anhydrides; nitro-organic compounds; interhalogenated compounds

Hazardous decomposition products: None