



White 'n' White Minerals (P) Ltd.

Jodhpur Tower, Paota Circle,

JODHPUR – 342010

Mb: 098290-22851, 094141-26851

Material Safety Data Sheet

Product Name: **HYDRATED LIME**

1. Identification of the substance:

Chemical name: Calcium hydroxide

Product name(s): Hydrated Lime, Industrial Hydrate

Formula: Ca(OH)_2

Molecular Weight: 74.08

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

Grade	92%	90%	85%	80%	75%	70%
Ava.						
Ca(OH) ₂	+/-92.0	+/-90.0	+/-85	+/-80	+/-75	+/-70
(Mgo)	0.70	0.80	0.90	1.05	1.80	2.9

(SiO) ₂	0.20	0.50	1.25	1.5	5.0	7
Moisture %	0.50	0.70	0.40	0.40	0.25	0.3
	PURE	SNOW				
Colour	white	white	White	White	White	White

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:** Decomposes to produce calcium oxide (CaO), which can react with water to produce steam and pressure
- 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 powder
pH:	12.4 in saturated water solution at 25°C
Melting point:	580°C
Boiling point:	2850°C
Vapor pressure:	Non volatile
Vapor density:	Non volatile
Density:	2.24 g/cc
Solubility:	Slightly soluble in water: 0.2% @ 0° C Soluble in acids, glycerin and sugar solutions

5. STABILITY AND REACTIVITY: -

Stability:	Stable products, not very soluble.
Decomposition temperature:	580°C, forms calcium oxide (CaO) and water
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:	Calcium oxide (CaO)